

692

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 1069

```

acattaacgg gaagcttcct atagggattg cgggtangcn tcccaggtac cgggtccgga 60
ttccccgggtc gacccacgcg tccgagttat ttgagaattt tggtgaaaaa tatttagctg 120
agggcagtat agaacttata aaccaatata ttgatatttt taaaacattt ttacatataa 180
gtaaactgcc atctttgagc ataactacat ttaaaaaataa agctgcatat ttttaaataca 240
agtgtttaac aagaatttat attttttatt ttttaaaatt aaaaatratt tatatttcct 300
ctgttgcatg aggattctca tctgtgctta taatggttag agattttatt tgtgtggaat 360
gaartgaggc ttgtagtcat ggttctagtg tttcagtttg ccaagtctgt ttactgcagt 420
gaaattcatc aaatgtttca gtgtgstytt ctgtagycta tcatttactg gctatttttt 480
tatgtacacc tttaggattt tctgcctact ctatccagtt gtccaaatga taccctacat 540
tttacaaatg ccccttcagt ttctattttc tttttccatt aaattgccct catgtcctaa 600
tgtgcagttt gtaagtgtgt gtgtgtgtgt ctgtgtgtgt gtgaatttga ttttcaagag 660
tgctagactt ccaatttgag agattaaata atttaattca ggcaaacatt tttcattgga 720
atttcacagt tcattgtaat gaaaatgtta atcctggatg accttgaca tacagtaatg 780
aatcttgatg attaatgaat ttgttagtag catcttgatg tgtgttttaa tgagttattt 840
tcaaagttgt gcattaaacc aaagttggca tactggaagt gtttatatca agttccattt 900
ggctactgat ggacaaaaaa tagaaatgcc ttctatgga gagtattttt cttttaaaaa 960
attaaaaagg ttaattattt tgactaaaaa aaaaaaaaaa aaaa 1004

```

<210> 1070

<211> 1306

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1289)

<223> n equals a,t,g, or c

<400> 1070

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accgtccgga ttccccgggtc gacccacgcg tccgtgaggt tacagattat gccattgcca 60
ggcgcatagt agatttgcac tcaagaattg aggaatcaat tgatcgtgtc tattccctcg 120
atgatatcag aagatatctt ctctttgcaa gacagtttaa acccaagatt tccaaagagt 180
cagaggactt cattgtggag caatataaac atctccgcca gagagatggt tctggagtga 240
ccaagtcttc atggaggatt acagtgcgac agcttgagag catgattcgt ctctctgaag 300
ctatggctcg gatgcactgc tgtgatgagg tccaacctaa acatgtgaag gaagctttcc 360
ggttactgaa taaatcaatc atccgtgtgg aaacacctga tgtcaatcta gatcaagagg 420
aagagatcca gatggaggta gatgaggggt ctgggtggcat caatgggtcat gctgacagcc 480
ctgctcctgt gaacgggcatc aatggctaca atgaagacat aaatcaagag tctgctccca 540
aagcctcctt aaggctgggc ttctctgagt actgccgaat ctctaacctt attgtgcttc 600
acctcagaaa ggtggaagaa gaagaggacg agtcagcatt aaagaggagc gagcttggtta 660
actggctact gaaggaaatc gaatcagaga tagactctga agaagaactt ataaataaaa 720
aaagaatcat agagaaagtt attcatcgac tcacacacta tgatcatggt ctaattgagc 780
tcacccaggc tggattgaaa ggctccacag agggaagtga gagctatgaa gaagatccct 840
acttggtagt taaccctaac tacttgctcg aagattgaga tagtgaaagt aactgaccag 900

```

693

```

agctgaggaa ctgtggcaca gcacctcgtg gcctggagcc tggctggagc tctgctaggg 960
acagaagtgt ttctggaagt gatgcttcca ggatttgttt tcagaaacaa gaattgagtt 1020
gatggtccta tgtgtcacat tcatcacagg ttccatacca acacaggctt cagcacttcc 1080
tttgggtgtgt ttctgtgccc agtgaagttg gaaccaaata atgtgtagtc tctataacca 1140
atacctttgt ttccatgtgt aagaaaaggc ccattacttt taaggatatgt gctgtcctat 1200
tgagcaaata actttttttc aattgccagc tactgctttt attcatcaaa ataaaataac 1260
ttgttctgaa aaaaaaaaaa aaaaaaana aaamaaaaa aaaaaa 1306

```

<210> 1071

<211> 150

<212> DNA

<213> Homo sapiens

<400> 1071

```

gacttgttct agatcgcgag cggccgccct tttaactggt ttaggtgtgt gtgtccagag 60
tgagcaagga ttatgttttt ggattgtcaa agaggatgct tagtctttaa ataaaaataa 120
atttaaaaat catcttataa aaaaaaaaaa 150

```

<210> 1072

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 1072

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acgcctgcag gnnaccgggc cggnaattcc cgggtcgagg ggccactctc ctgtctttac 60
tcctttttccc ttctctattc ttccaccaga agccctcatt tgaccagtga actcctaggg 120
cctcttgacc cgcacattag ctggggcgatt tccttgttct gctaattcct aattctgctt 180
aaaatgtatt tggattttctg tttttgaaca cttatgatgc caggcaactgt aatgcttgaa 240
acccgatctt tccctagaga atgtaacata cgttttttatt catttaatac cttcattatg 300
ccgggggttaa ttatgtttat ttataaattg gtaataaagg ccacatttat ttttgtaact 360
gtttaaaraa maaaaaaaaa aaaaaa 386

```

694

<210> 1073
 <211> 623
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (23)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (27)
 <223> n equals a,t,g, or c

<400> 1073
 nntgagaaaa acccttgatg tgntganaac catcatgggg accaggatag aaggcttctt 60
 cccactcaaa gcttttctcc ctggagggtg ggcaactgctg ggccatgcac ttcaaagcag 120
 tgttcctcag caggaaagcg gaggtcacca cttaccggcc tcctccacct tctcggttc 180
 tcttttctcc atgaaccag gtcgtccagc aggtacttcc aagttcccag gtctgtctgc 240
 ctaagagcct tttgaggaga ccgtcctgga gccccatcag tgcccagatc ctgggggtacc 300
 gaccattgct gtctagcagt gggggatcct gtgggtggga tggggtgggc ttctcatcca 360
 tgttgcttct gggaagagag gggtgccttt ctgggctagg gaggtggctg gagcttctgc 420
 cctgaccctc cgctagaaac cagttatata cattgccaca gcaatactgt gtaacaaatc 480
 cgccaacact cggtagcctg caacagtcag cactgatcta gggcaggagt cagcagtctg 540
 ggcagggtga ttcttctggt ctaggctgkg cttgtttgtt tagggccatg gggtgttaag 600
 tccccagggg atgctccatg gtg 623

<210> 1074
 <211> 629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (450)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

695

<222> (609)

<223> n equals a,t,g, or c

<400> 1074

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cactttttatt aatttgcatg tcctttttaat atttattttat tcaaatacta ccgtatggcc 60
caccataatt acccccatac tccttacact attcctcadc acccaactaa aaatatttaa 120
cacaaactac cacctacctc cctcaccaaa gcccataaaa ataaaaaatt ataacaaacc 180
ctgagaacca aaatgaacga aaatctgttc gcttcattca ttgccccccac aatcctaggc 240
ctacccgccc cagtactgat cattctatctt cccctcttat tgatccccac ctccaaatat 300
ctcatcaaca accgactaat caccacccaa caatgactaa tcaaactaac ctcaaaacaa 360
atgataacca tacacaacac taaaggacga actgatctct tatactagta tccttaatca 420
ttttttattgg cacaactaac ctctctcgga tcctgctcca ctcatcttaca ccaaccaccc 480
aactatctat waacctarcc wtgggcatcc ccttatgarc sggggcagtg awtatagstt 540
tcgctcttaa aattaaaaat gccctagccc cttcttwaca aaagggatat tggtttttgg 600
aatacactnt tttctttgat ttttttttaa 629

```

<210> 1075

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 1075

```

cggtgcccac cccgggtcccc gccccccagac acgcccgggt ctcgggggcac cacagccatg 60
tgctcgtttag cgtcaggcgc taccggcgcc cggggcgctg tggagaatga ggaggacctg 120
ccagaactgt cggacagcgg ggacgaggcc gcctgggagg atgaggacga tgcagatctc 180
ccccacggca agcagcagac cccctgcctg ttctgtaaca gggtattcac atctgctgaa 240
gaaacatttt cacactgtaa gtctgagcat cagtttaata ttgacagcat gggttcataaa 300
catggacttg aatttttatgg atacattaag ctaataantt ttattagact taagaatcct 360
acagttgagt acatgaattc catatacaac ccagtgcctt gggagaaaga agagtatttg 420
aagccagtat tagaagatga ccttttactt caatttgatg tagaagatct ttatgaaccg 480
gtgtcagtac ccttctcata ccccaatgga ctcagtgaac atacatctgt tgttgaaaaa 540
ttgaaacata tggaag 556

```

<210> 1076

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1076

```

aagccggaag ttgggggatg acagcagcat catgatgctg gctgtggagt gagcatgggg 60
ctggcgctga ggccactctg cctcccatgg gtggggccgc ttagctccyc ctctgcaaaa 120
tagggagctg ttgcaggaca tttcagagct actataagga ctgaaggagg ccccggggaa 180
aagagctctt gatataattaa ggcactgctt agtagtgact atgcttactt tgcgagcagg 240
gaaaccgagg cctgggtagg acagaggggg gcacatgtgt ttactgccct ctccgcccc 300
gactttggtg ccatcagcct ccaccctgt gcgcccgtca agaatttggc ttccacgttc 360
tgctccccgg accctccag cctaacctgt ggatcctgcc acacaaagat gggcttacct 420

```


696

<210> 1077
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 1077
 gattcagtgt ctatttcctg aggaacccaa cttataacac gtagaataaa ctggccaaag 60
 ttcttaattt tccaatttgt tgcaccagcc ccacgtgacc accaaaagct tttctgggtt 120
 tccctttccc tcaggagaga cctctttcac agaccaagct tgatccttat tagtccatgt 180
 ccagaatcag taaatgtccc tagaaaataa aatggccact tacctcagga ggactcctcc 240
 ctctctggaa ttcccattca cctagtcctt attgctttca tagctctcac atatctttaa 300
 atatgatctt tataattttt ccatcttttt ctagttgttg caggcaaagt tttaggctgc 360
 catgacctac tatatcctat ttagaagtgg aagtctctag agagattttc aaaattacag 420
 atgtgtggat attagctttt ctccctaattt aattgaattg tggtagagaga aggtgttctg 480
 tattattcaa atagcttaaa atttgctgaa atgggtttat aatcaaatat atgggtcaaat 540
 ttaatagttc atgtactctt ataaatatgt attctcccat tgttggatgc aatgcccttt 600
 gtatgttcat gggatcaagt ttgttgactg ttttgtgtaa atctatatgc aaaatcttga 660
 tttttgtcta cttgatctgc ttctgaaaga ggaacaataa aacttcccac tgctacggta 720
 aaaaaaaaaa aaaaaa 736

<210> 1078
 <211> 899
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<400> 1078
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 acgcgttcgc tggtcggcta tccattcatt ctccatacag caactagagt cattctttta 120
 aaattgcgga cctgatcctt ccatctccca gctgaacgct tttcatttgc ttctgtttct 180
 catgagtatg ccaaaatgta ttctgggcta ggaggccctg aggaatttgg tccttccctc 240
 ctccccctc gttttctgtg ctctgccttc actggcttgc ctttcttttc cttaaataca 300
 tcatgttctc tcctatttta gatccttttc cccgaaggta tggaaacatt atttctgtaa 360
 gcttattctt ctatatagat gggaaagttt taaatcagat aaggttctaa gggcatgtgg 420
 acaatttacg ttatcatagt attgttcata acgtccatca ttattctgta gactgtaagg 480
 gcttacttag ctctgtgaag aattatcctt caaaaagcat ttttaaggta ttagtattgc 540
 taatctataa actttgtgca agaagtccta aagtcaatag caacatttat ttaaagtaca 600
 gtttgtcata cttaataaac ctctgggtata ttttccttta ttatgcttgt taâaaacaca 660
 gtataaatgg gagaaatcat taaagatcat taactccaag gctgctggat gttaggaccc 720
 ttaagcatac ttaaaagatt gattgtaatc aagaataact tgtatcagat tgccttccag 780
 tgattcacat ttattagtct aaccagttac atacctgtag caagagacca gtttatttgg 840
 caataaaatt ggggaaggaa tcaagactta aatgaggaaa aaaaaaaaaa aaaaaaaaaa 899

<210> 1079
 <211> 2215
 <212> DNA

697

<213> Homo sapiens

<400> 1079

```
tataaaagaa caaactggat gtggaaaggc tacttgtcca agggcacact gctgctagtg 60
atggagtcca aagttcacat ctgtctgcct ctggaacact catctaacta aagatgaaaa 120
caccgttctt catctttaac ctggcagaaa ctgtcacat gccttcaaaa gtgaaagctc 180
aactctacgc tcaagcatat gacctttata aggagattgt ctatttacia aaggagcacc 240
cagtgaattg gcacaagaac tatgccatcg cctgtgagcg gatgctgcgt cttcaggcaa 300
gagatgcaga tcctgaagtg ctgttatcgg aaaccatcag acatttccgt ctgtactctc 360
agaaagcacc gaatgaccca cagcaagctg atatttttagg tgctctaaag cacctaagaa 420
aagaactgca aagtctgaga aataggaaaa atgtctgaga cagcaaaata tgaaaaacct 480
gctcatcggt cagcttccaa aattctgaag tctggaagtt tttccttcaa agaaaagaaa 540
ctgcataaaa aatttaaaac taagtcatct cccagatata agtatcatgg tccagcagta 600
ctgtttaatg gggatattcag tgactaaggt ctgctattta tgcaaaattc tgtttatccc 660
gtgttaccaa attaccattt cagtgagaag cttttgaaaa gtcttctgac ttccagtctt 720
tcaccagatg actgcaactgg attagattct agaagagaat gaaccatttt catataacta 780
aatattgggtc atgaactgtg taagggccat gcttattggg atcagtttta aagttaaatt 840
cttttgatat taataccaga ccaaagacat tttctgtttc ctggaaaaaa aaaatgaatc 900
atgttaggct ttaggtgaga gtacattttt taaaaagtag ctatagtgtg tacatagtct 960
tacacttcaa gctaaacacc aaatgggtga tattttgaaa aaagtttgtg ttttactgtc 1020
ttagatcggt cttggaaatc actaaaaaaaa aaaaaagtta atttgatgtt tgcttatttc 1080
agttgcasaa actggcgagt aaaaaagatt ttgcatttac ttaattaatt ttatatttat 1140
gttttatttc tatttggact cagagatcta gacccaattg tatagctcct agactccaag 1200
cactatatag gccctgtat agaaatgctc actaatgaag agggaggggc agaagcttgt 1260
ctgcattcaa agatcactgg tgagtcattc agcaagaaaa gggcccttac caggaatagt 1320
cacagttccg tggcattgta ctagcaaaag ggtctgatca aaggctcctc gtggagcttg 1380
catggttccc ttctatacta cgaccataat taaaaccact aattctcttt taaaatgctg 1440
caggatgcca ttaggcacac tgtctggagt gtcccttgtg atgtcataag ctgttaagga 1500
ccagtgccga gggcttttga gtgaaatgcc agtcatgaag gtgcttcaag acaagggtgc 1560
ctctaaaagc ttgacagggc cttgactgca caattcgagc tgaatttgcc ccttgtcagc 1620
tgccagtaaa taaatctcaa agggggaaaa gctgaagttt cattacctga tccatggggc 1680
tttggttggt ttggcatcac acaggggaag ctcttgcccc tccattctct ggatttgaag 1740
atgtccattg gagcctgcag tgccctggaca gggttcagag cggaaccttt tgaagagtgt 1800
caatagttgt aacagttcag ctgttaggaa gacaaataaa tggaggagct cattaatccg 1860
cttttggtc tcagtgcctt ttgccctttt atcacagcct tattaggctc ctactcatct 1920
tgaaccagaa aaaaatgaat tgaagttgtt gagtactaat tggcaaagac ttttaatcat 1980
gggccaagaa ctttactga cttgaaagta acttctccac aggggaaggc caaaaacctg 2040
gtttacctta aaacaaaaac ctglttgagt tcagcgtggg gtaaaaatgt aagggaagcat 2100
tgataaattg tctaagttta tccatttgaa agaaattgtg taagattatg atattctctt 2160
ttctttaaaa aaaaaagtac aataaaattc aaacattcct taggaaaaaa aaaaa 2215
```

<210> 1080

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

698

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<400> 1080
acaaaagctg gagctccacc gcggtgncgn ccgctctaga actagtggat cccccgggct 60
gcaggaattc ggcacgagga gcctgcagga cacagtcaga agaaaggaaa agccattaac 120
attgggcagt tggtagatgt gaagggttta gagaagacca aagatgggct ggaggtggct 180
gtcctgcccc acaacatccg tgctttcctc cccacatctc atctgtcggg ccacgttgcc 240
aacggcccat tgttacatca ttggctccag gcaggtgaca tccttcaccg agtcctgtgt 300
ctgagccaga gcgaggggag tggtctctct tgcaggaagc cagccttggt ctccacagta 360
gaaggtggcc aggnctccaa gaactttctc gaaatccatc ctggaatgct gctcattggt 420
tttgtgaaga gcatcaagga ctatggcgtg ttcattccagt tccccctcagg tcttagcgga 480
ctggccccaa aagctatcat gagtgcacaa tttgtgacct ccacaagtga ccactttggt 540
gagggccaga cagtagcggc aaaggtgacc aatgtggatg aggagaagca gcggatgct 599

<210> 1081
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (628)
<223> n equals a,t,g, or c

<400> 1081
ggaaatttga attgaatctg aacaggaaat gagtgcagtt gcttgccact taagaaatga 60
aattaacctt ttccgaatat cttttgaaat ctgcgttttg atgatgctga agctttggat 120
tatacatctg cttatttcga taagggtgcac ctaagtctct tcatctcatc agtattcttt 180
tgctatcaaa ggcagttgat cagttttggt cctcaatatt ttttttgcaa atatctaccg 240
aagttttttc aaatttttat taaaatgcaa gtcattgtag agatgccagt ctatgccttt 300
atgcttgcca gtctcaatta agacttgatt gagctgcagt actttaaaaa ggattagaag 360
agctattgaa tgacttaatt tattagaagt ttttaagtga cagcatttct aattattcaa 420
gtgcatttat ttttcataaa aaaaggtaga atgatttggt ctgacataaa gtaaatagtg 480
ttgatgcatt agaaattgtg tgtcttgatt atgatttctg tactttttgc attagaagta 540
taatggactt gtatttttaa atagttgaaa ctagcactgt gatcatatta aataatgcat 600
tycycagttt gggacctnca gatagggntt ccattgttga aa 642

<210> 1082

699

<211> 570
<212> DNA
<213> Homo sapiens

<400> 1082
gtgtttctgag taacagtcag tgtataaaag gggattgcag aaaaaaatga gggcttgctt 60
tactcaacag aaaatatggc ccttcctgaa tgacactagg agagtcattt tatctcatatc 120
attcccttca tttcgttggt ggacatttgt tgaaaccggc actcaatggt caaaccgtct 180
gtgccctcca gttgctgaca gtcctgcagg aagatggaca agaggcccag tgctgacagt 240
cacacgactc tcaactacttg aatgagggga ctgtgggtgc aactagaaaa tatgttgatt 300
cttagccatt cccaccttgc ctctccgttc agaacccag ctgcgagctg tttgtttccc 360
tgcctggaaa tgatgtttta ggcagggttcc ttaatttctc aggtctgtct cagataataa 420
aaagctcttt gtatgagcct cagaactgtc tcttcagtga atgaaattac cagtcattat 480
acgaagggac tttaaaaaat ttgtggaaat actgaagtaa aagatgataa aaaaataaaa 540
amwttatyt c ttggctggga aaaaaaaaaa 570

<210> 1083
<211> 675
<212> DNA
<213> Homo sapiens

<400> 1083
cccttccagt catgaaactt catttgtttt atccatatcc ctgaggactg tgtagacttt 60
atgtcagttc tgtgtagact ttatgycagt ttttgtcatt atttgaaaat ctattctgac 120
aactttttta ttcctttgat cttataagtt aaagctgtaa caactgaaat tgcatggatc 180
aagtaagcat agttttatcc agggagaaaa ataaaaggaa gccatagaat tgctctggtc 240
aaaaccaagc acaccatagc cttaactgaa tatttaggaa atctgcctaa tctgcttata 300
tttggtgttt gttttttgac tgttgggctt tgggaagatg ttatttatga ccaatatctg 360
ccagtaacgc tgtttatctc acttgctttg aaagccaatg ggggaaaaaa atccatgaaa 420
aaaaaaagat tgataaagta gatgattttg tttgtatccc taccatctc ctggcagccc 480
tactgagtga aattgggata catttggctg tcagaaatta taccgagtct actgggtata 540
acatgtctca cttggaaaagc tagtactttt aaatgggtgc caaagggtcaa ctgtaatgag 600
ataattatcc ctgcctgtgt ccatgtcaga ctttgagctg atcctgaata ataaagcctt 660
ttaccttaaa aaaaaa 675

<210> 1084
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>

700

<221> misc feature
 <222> (620)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (626)
 <223> n equals a,t,g, or c

<400> 1084
 gccccggtgg ccgactatct gacctcacag ttctatgccc tcaactacag cctccggcag 60
 cgcatggaca tcttgatgt aagtgcctcc tgggcctcag tccccctggt ctggcccaag 120
 ctgccctaag gtggggctgc caaaacctgg gtctccttgt tgctgggccc caagggctcg 180
 tgcaggcctg tccactgcct tcgtgagtgt gtgaccggc aggactcagc agtgggggag 240
 tcagggctcc cggggcagag agttttgttt gtttaaaata acagctttac tgatataatt 300
 cacacgccat aaaattcacc gctttagggg aaaatgtgtg ctgcgagggt gaggggaatat 360
 tatttagcaa wraaaaaaaa aaagggcggc cgctctagag gatccaagct tacgtacgcg 420
 tgcatgcgac gtcatagtc ttctatagtgc tcacctaaat tcaattcact ggccgtcggt 480
 ttacaacgtc gtgactggga aaacctggc gttacccaac ttaatcgct tgcancacat 540
 ccccttttcg ccagctggcg taatagcgaa gagggccgna ccgatcgccc ttcccaacag 600
 ttgcgcaagc ctgaatggcn aatggnac 628

<210> 1085
 <211> 1356
 <212> DNA
 <213> Homo sapiens

<400> 1085
 tcgaccacg cgtccggttt tttatgcayt wgagtcttgg atcaagtayg atgtacaaga 60
 acgycagaaa tacttagcac agytactwaa yagtgtmga ttaccattgy tgagtgttaa 120
 gttttctact agactatatg aagcaaatca tcttattcgt gatgatcgca cttgtaaaca 180
 tcttttgaat gaagccctaa agtaccactt tatgcctgaa catagactct ctcacagac 240
 agtcttgatg acacgacctc gctgtgctcc caaagtactt tgtgcagtag gagggaaatc 300
 tggactcttt gcctgttttg atagtgtgga gatgtacttt cctcagaatg actcttgat 360
 tggtttggca cccctaaaca ttctctgcta tgaatttggga atatgctgtt tagacaaaaa 420
 agtatatgtt ataggtggtg ttgcaactaa tgtgcgtcct ggcgtcacta tcagaaaaca 480
 tgaaaattca gtggaatgct ggaatcctga tacaataact tggacttctc tagagagaat 540
 gaatgaaagc cgaagtactc ttggagtagt agtacttgca ggagaacttt atgccttagg 600
 tggttatgat ggacaatctt atttacaatc tgtagagaag tacattccca aaataagaaa 660
 atggcaacct gtggcaccac tgacgacaac aagaagttgt tttgctgcag cggatattga 720
 tggaatgata tatgccattg gtgggtatgg tctgcccac atgaacagtg tggagcgtta 780
 tgatccaagt aaggactcct gggagatggg tgcattccatg gcagataaaa ggattcactt 840
 tggcgtgggt gtcattgctag gctttatttt tgtggtgggt ggacataatg gactctcaca 900
 tttgtccagc attgaaagat acgatcctca tcaaaatcag tggactgtgt gtagaccaat 960
 gaaagaacct agaacaggag ttggtgctgc tgtaatcgat aactaccttt atgtcgtcgg 1020
 tggctactca gggctcttct atctgaatac agtgcagaaa tatgatccta tctcagatac 1080
 gtggctggat tcagctggca tgatatactg tcgctgcaac tttgggttaa ctgcactttg 1140
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 tggcccagtt ttctgaaacc cacaagctgc attgctttct ttttaacttg aagtagcatg 1260
 aaggctcaaa agttttgttg ggtactttta attgagaagt agttttgggt gctcttgatt 1320
 acacagtaaa tcaataatca aaaaaaaaaa aaaaaa 1356

701

<210> 1086
<211> 703
<212> DNA
<213> Homo sapiens

<400> 1086
gcaaacattg gacatctctg acatattttt tctcgttttc agcttttcgg atgatccctt 60
atcccttgga aaaggggcac ctattttatc cttacccaat ctgtacagaa acagcagacc 120
gagagctgct tccatctttc catgaagtct cagtttacc aaagaaggag cttcccttct 180
ttattctctt tactgctgga ttatgttctt tcacagccat gctggccctc ctgacacatc 240
agttcccgga acttatgggg gtcttcgcaa aagctatgat tgacattttc tgctcggcag 300
agttcaggga ctggaattgc aagagtattt tcatgcgtgt tgaagatgaa ctggaaatcc 360
ctccggcacc tcaatctcaa catttccaaa actgaactca tcacctctct tccccacca 420
ccaaaactgc tctctctct gtatttcetra cctccgccat ccacctcggt gctcaagcsg 480
gaaactcggc agcccttcca aactcttccc tctctcactc cccacatccc atcgtctcgg 540
ccttcacaat ctgtcagttc taacctccta agcaactagg ccttcagtaa atgtgattca 600
cctcttcttt cctctctttt cccaaaagca tccctcttag tctaggctct ttgttggttt 660
cttggttga acttctggcc ataagtctta acttggggct ccc 703

<210> 1087
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 1087
agccaaagtg ctggaattac aggtgtaagc caccacaccc agcaataaag cattttaatt 60
tgcttctatt gagacaatac cctagaagtt ttgcagtggtc agtgtgatga ccaatgaggt 120
ttatctgagg tgcgattatt gctaattgaa gcagtgccct ggaggtacta gaattcctta 180
tcagtttcat acaatttcag ggcttgattt tttatagggt acccagacaa ttcattcaag 240
ggctgcttta cttacgggtc acatgtcatg taaggagcag tggttttgag cataaactct 300
attcctggga tttatcagat accccacttt tgacaggtct tggatttcac ttttcagatc 360
cttttttagga ttggcaaata gctttcttca ctgtccctct agccaaggac aaaaaagtga 420
ttccaacttc cccagcantt ttgggnaagc ccaaggcaga aggggtttttt ttanggcc 479

<210> 1088

702

<211> 442
<212> DNA
<213> Homo sapiens

<400> 1088
tcaggccttc cctaacgctc caagcaccgc tggagccatt taatgggtga ggggaacttgg 60
gtaagaggaa gatcaccccc ttctgtccc ctttctaggg cccctcaagt gcaggtgacc 120
cttaattggg gagatcttca gctcagccg ccgaccttcc cttttgtcc agttttggar 180
ttcccgtttt ttcttggttt gctttcmgag tgtaaggctt ggccgggtgag aaagatttcc 240
cccaaccttg attaatcagc cccctcccc aacttacttc ccttaggacg ggtagggctg 300
agggacctcc tctcctggaa agtgcttact ttgcctgggg aaggggctag acactgtccc 360
agggaaagta atagaagggt gaagaaatca ataaaatcag accaggacgg agggaaaaaa 420
aaaaaaaaaa aaaggggggg gg 442

<210> 1089
<211> 1074
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1055)
<223> n equals a,t,g, or c

<400> 1089
gcactcttta catctttcat ataatagagt cactagcttc tgtaccaatt tcttgtcttt 60
agtgtacttt ggtaaagttt tataattaaa gcacatttct atcttgaagt taccatccaa 120
ggtggtttct ggatgctagt ttaatgattt aaacactagt ggctcactaa ttcactagat 180
agtttttgtt ctgttttctt ttgtctgcct gtttttattt ttataattac attggcatga 240
atttccactt ttcaatcttc taaggaatat ttgagatttt tgcttttaa acttaatat 300
tcctttaaaa ttctggaaact tcttaagttg acattttaat ttttttaa taaattctgt 360
agtgtcttta cagaaccgaa tattcttaat gtaagtataa gcattacaaa tccttgtaga 420
ataaatattt ttagcattgt tacgaagggt aaaaactggg ttttgttcac ttacatgtct 480
taaaattgcc ttaaaatgaa tacagaaatt tatatggcag cttctagtac agttgactgc 540
tttaacatgg cctgacatct agtgataatt ttctctctt caaatttctg ttttctagct 600
cttaaatatc tgtttctcat tcttataaat caagatgctt gtagtatata attctgagac 660
taattatctg cttttgaatt ttttccactg caattcataa aatgtgaaga tctgtgaaaa 720
tgctatggga aaactagctt gggttcaaaa tatcttaacc aaatataccc tglaggcttc 780
ccaagagtga ctgtctgaca gttggtgact gtagaagaag ctgggtgggt gttttctggg 840
ccaaggaaat ttaaaatgtc tgcaatgtta tccatcatta ctttytgctg tcagaaggga 900
tggcagattg aagcttttct ccctatcgca ttttcagagt tgccgtgtca gagcttcacc 960
ttgggtaagg aaagatgggc aggaattctg ggaaacagaa ctctgagac ctacctctgc 1020
ctgcctaaaa atgtggactg actcagtatg agatnataac aagaaaacat ttaa 1074

<210> 1090
<211> 1163
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

703

<222> (159)

<223> n equals a,t,g, or c

<400> 1090

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actgccccaa gctcaaggag atcaatttcc gtgggaacaa gctgaggac aagcgcttg 60
agaagatggg cagcggctgc cagaccagat ccatactgga gtacctgccc gtcggaggcc 120
gtggtggcgg gaaagggcaa gggccgtgcg agggctcgna gaaggaagag agccggagaa 180
gaggagggag aggaagcaga ggcgggaagg tggatgatgg gargagcagg acgtgggaga 240
tgccggccgg ctgctgctca gggtcctgca cgtctctgaa aaccccgta ctttgacagt 300
cagagtgagc cccgaggtcc gggatgtgcg gccctacatt gtggggggccg tggatgcgagg 360
catggacctg cagccaggga atgcaactca gcgcttcctc acctcgaga ccaagctcca 420
cgaagatctc tgtgagaaga ggacggctgc cacccttgcc acccagagc tccgtgccgt 480
caaagggccc ctgctgtact gcgcccggcc cccacaggac ctcaagattg tccccttggg 540
gcggaaagaa gccaaaggca aggagctggg gcggcagctg cagctggagg ccgaggagca 600
gaggaagcag aagaagcggc agagtgtgtc gggcctgcac agatacctc acttgctgga 660
tggaatgaa aattaccctg gtcttgtgga tgcagacggg gatgtgattt ctttcccacc 720
aataaccaac agtgagaaga caaagggtta gaaaacgact tctgatttgt ttttggaagt 780
aacaagtgcc accagtctgc agatttgcaa ggatgtcatg gatgccctca ttctgaaaat 840
ggcagaaatg aaaaagtaca ctttagaaaa taaagaggaa ggatcactct cagatactga 900
agccgatgca gtctctggac aacttcaga tcccacaacg aatcccagtg ctggaaagga 960
cgggccctcc cttctggtgg tggagcaggt ccgggtggtg gatctggaag ggagcctgaa 1020
ggtggtgtac ccgtccaagg ccgacctggc cactgcccct cccacagtga ctgtcgtgcs 1080
ctgacscag ggccgcctgt ccgcgtttgt ttggccggtt ttgaggaggg ttctatgcgg 1140
caatgctgaa ttatccgtta gat 1163

```

<210> 1091

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

704

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<400> 1091

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agcnaganan ccaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgncgnc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagatt ttgagcattc 120
ctctgatatt tgaaaaggaa gtacaacagg aaaggaagtc tgaggatgga agctaaaatt 180
ggtatgaatt tatattttag agatcaaaat gtaccttatg ttgaaaccta tgtaagaagt 240
gatwatgtag aaagagtga aagtatagct cttagtctgg aaagccact ggcttgtttg 300
ggcatttctc atggcttccc actcaaagtg gatcccaaaa atcacttgat ggatttcctt 360
gctgatttct aagtaaaact tggtttaaga aagaaatgac aggggtcagc actgccctac 420
agtaccaaga atacaaatgt ttccatgaag tcttcaaagg catttgtaaa attcaggctg 480
taagtgatta gttagtccat tctgcactta tttattaact gtatattcag ttccaggctc 540
tagggtagag attatggata aagggtgaatt agatagatga agtttttgcc ctcacagcaa 600
aagcttttagc caataattaa agctatcact ggaagtgggt ctgtgccaat aacctagaga 660
agagcagtgc ttttagagtt gagctatatt cccaatcagt tcttaatggg ggttttaccc 720
ccttccctct acactgtctt ttcttgagat tggatcatgt gtgtgaaccc a 771
```

<210> 1092

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 1092

```
taggaaatca actgagtggg tgtttggaag aggaaggagc aactctcggg cagcctgccc 60
aaggggaggga gcaagttgca atttanaaga tgccatacgt cgtgtgacag ctcatgagcc 120
tttctactggg ctggcaattg tctgaacact tgggttcagt tgaaatatat gtattttggc 180
caaaagccaa gcagcmcttc acaaaaaaaa aacacaamcc taagctaaca aaatgmctgc 240
attcgtctct tttttaaaagg tagagattaa actgtataga cagcataggg atgaaaggaa 300
ccaagcgttt ctgtgggatt gagactggta cgtgtacgat gaacctgctg ctttgttttc 360
tgagaagagg tttgaagaca ttttattaac agcttaattt ttctctttta ctccatagga 420
acttatttta atagtaacat taacaacaag aataactaaga ctgtttggga attttaaaaa 480
gctactagtg agaaacccaa tgataggttg tagagcctga tgactccaaa caaagccatc 540
acccgcattc ttctctcttc ttctggtgct acagctccaa gggcccttca ctttcattgc 600
tgaaatggaa ctttggtctt ttcagtggaa gaatatgttg aaggtttcat tttgttctag 660
aaaaaaaaaa tccctcccaa agtggggcaa aaagctttat atttatttga ttatccaaaa 720
tacagatcaa agtttagatc taaaaaaaaa aaaaaaaa 757
```

<210> 1093

<211> 633

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

705

<222> (619)

<223> n equals a,t,g, or c

<400> 1093

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tgtagtattt gcatataacc tatgcacatt ctcccatata gtttaatcat ctttagatac 120
ttataatgcc taataacaatg taaatgctat gtaaataagtt gttgttatac tgtattgttt 180
agggaataac aataagaaaa acagtctgta catgttctact acagatgcaa ccattgttaa 240
gcctgactac atctttttat ctgcagttga ttgaatctat ggatgtggaa cctgtgcata 300
tggaggggtca actgtactat aaataatacg aatatgccaa cattatataa tcattgcttt 360
ctgcaactgt ttactataat ttcaaaatta atatcctatt aactgttcct ataaattatc 420
aaatttggca agtgtattac tagcaggaga tggaccttaa attatgacaa ctttatattt 480
tttgatagca tctcttgaaa aagaatttta atgattctaa taagagggtc tttttctttt 540
ttccatttcc ttgacaaata gtactcattt aaaaactaga gggctaggct tagtggctca 600
cgctgtaat ctcagcacnt ttgggaaggc tga 633
```

<210> 1094

<211> 548

<212> DNA

<213> Homo sapiens

<400> 1094

```
gtcgggggaca cattccaaga ggctaaaaag caaatttctg tacattagga gatttgtgag 60
tccttaggaa aggcctcagaa gagggctcca cctagcacia tacctgacat agaaagtgg 120
cagtgtctgc agaatgagtc ggcatgaacc gtactttcct tggcaggggt attaggtgg 180
aaatacctgc agaataatgg gattgtacta ggggtttctt tggctttaga aaccatttg 240
tttactaata gattcccaga ggataccttg atctcaccaa gctatttgcc agaatgtctc 300
ctgatggcct cattgaagaa aggggggacta tgagccagat gctgggtgcc tgaagatttg 360
tagtttgtgg gatagtctta acttggcagg gtttgattaa cagaatgaag tctgttcctt 420
agagggaagt ctttgcttgc tgccctgacc tgctggacac tgttaattgg gatgagggtca 480
aagaaggcat agttaccaca tttgcaggag accctaacct ggaaatagta aattacataa 540
cattcaaa 548
```

<210> 1095

<211> 860

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (636)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (758)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (768)

706

<223> n equals a,t,g, or c

<400> 1095

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cagtgaacaa aattatTTTT ttaaagcaca taatccctag tatagtcaga tatatttattc 60
acatagagca actagggttgc aaatatagtt cagtgcacatt tctagagaaa ctttttctac 120
tcccataggc tcttcaaagc atggaacttt tataacaacag aaatgttgac agaaattgct 180
gtagtttagg gttgaagtac tgtatgatgg gcagcaatca tgtattaact tagaagggga 240
aattgaaata taggaccgaa tttggTTTT ttcagtttcca gagtactgct gccaacctag 300
acactgattt ttcagagttt gaaatgtaaa tttcttcccg ggacttgatt gcacatgaag 360
ctggactgcg ttagtcattc tgtcccaaag cgctgtgggg gccaggggtgg aggtctcaag 420
gcattccttta tgacctggcc attggatgta aaagaaaaca tattccatgc tgtggttctt 480
gtatcttggt tcattcctca ccattgaaag agaaagtcca tgtattgtct ccagcacatc 540
cttraaatgt tatactggga tggattactg atgcccacgc gtagttgagc cccagaagag 600
ggtagtagca tctctgcctc aggtgatgat ttgtancttg gccagaggag agcggagtca 660
ccagtatatc tgtggtccat gttgctagct ctggtaaaat taaaaatctg gtaagatggt 720
tgtatcatta gtacactaga cagtaagctc tgtcttgntg ttttcaanta acctatattc 780
acttttgttt gggcaaagac atttaaattg aaattcaatt ctaatttttg ttaattgtgg 840
aaaggggtaa ttaacagatc                                     860
```

<210> 1096

<211> 1754

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1694)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1738)

<223> n equals a,t,g, or c

<400> 1096

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ggagaaattg attcttcttc tctctttgcc aggaatagac atcaatgnta aagacaatgc 60
```

707

```

tggctggacg cctttgcatg aagcctgtaa ctatggcaac acagtgtgtg tccaggaaat 120
tttgcaacgt tgtccagagg tagatctgct cactcaagtg gacggggtga ctcctttgca 180
tgatgcactg tcaaacggac atgtagaaat tggcaagctg ctactacagc atggggggccc 240
agtgcctttt caacagagga atgctaaggg agaattgccc ttggattatg tggtttcacc 300
tcaaatacaa gaagaactgy ttgctattac aaaaatasaa gatacagtgg agaactttca 360
tgcacaagca gagaaacatt ttcattacca gcaacttgaa tttggctcct ttttacttag 420
taggatgttg ctaaattttt gttcaatttt tgatttatct tcagagttca ttttagcttc 480
caaaggggta actcatctaa atgaactgct tatggcttgt aaaagtcata aagaaaccac 540
cagtgttcat actgactggt tactggatct ttatgctgga aatataaaga cattgcagaa 600
actcccacac attcttaagg aactgcctga gaatttgaaa gtgtgtcctg gggtagacac 660
tgaggccttg atgataacat tggaaatgat gtgtcgggtca gtcattggagt tttcatgatg 720
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gacttcatag ctactgaca gatagtaatt tgatttatct attgacagac tttgcagcct 840
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tcatggcaag catattcata caaatgcgta cctataaact tgtagctcct gactcttagg 1140
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aaaattttaca gtaataatta atattctttt ggttttttaa tgcagcaa atgcagagtc 1320
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gctgccctat gtaaccacgt attctgtacc tgaaaacatt ctgctgcata ggtttatgag 1440
tttaatatata agatattgag tggcataagt aatagatttg agattattta agatcttaat 1500
atatagtatg aattttactga gtagtaatgt ttttaatttg agnttttctt tatagcagtt 1560
tgtagtaaaa ctaaaagaaa gggngtggat aataaccact tttgagattg gagtttcttc 1620
actactggga gtaagttaca ttatgatata ggtggaaaat aaacacttcc atttagcttt 1680
tatgtaattc aagngatgac cttagcagtt aatctgctaa agcaatacac ttcagttnta 1740
ttttggaaat agat 1754

```

<210> 1097

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (765)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (768)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 1097

708

```

aggattattc cttctcatct gctgcaatgg gtcaatgtgt taaggagagg agcgagacag 60
caagaaccgc attcattcag tcatacagrc caaaaggagg aatgtcgccc agccctctaa 120
actgaccagc aaccagatc atgtytcaac tgctacctct cctacttaga aagaagtaac 180
tccaccaaaag cagggttctg ggacaaatat ttttttattg atcatataca aatagatgaa 240
ggatggactt ggatgttaag aaaaataata ctatacaaaa tcgagagtag acagttgccc 300
ctagacttaa attaaaagtg tgcacattag ataatttaac ccaatgtatc aggtaaaaac 360
ttgaacaaac cttttggcct cttccttaaa attcagggaa gcatgtcctc cacaaaacag 420
aatcaaaata taaataaaag actgccttaa gacgaaagga aaccttacag atgaaaagaa 480
gccagatgag aggcacttaa ctaagaatga aaagaaactg agtggacaaa ataattatga 540
gaagatgaac cttcaaatac gaaagaggga aaaaagctta ttgatacta tgggaactca 600
aaagagagtg aacacaaatg tgaaaattcc aagagtgaag aaaagtatca taactacatt 660
tagagcatga gaaaaagtat acaattttga gtaataagaa cagaaatcaa aagtaactat 720
tgtatgctgt attttagtag agcaacmctg aagaagaaag gaaancanga anta 774

```

<210> 1098

<211> 164

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<400> 1098

```

aattcggcag agctgtcacc caggctggag tggtgtggca caatcttggc ttattgcagc 60
ctcaattcct gggtctaaac agtctctcca cctcagcctc ctgggtagcc ggaactacag 120
tcacggcact tccatgtccg gataattttt tttttttttt tnag 164

```

<210> 1099

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<400> 1099

```

ggcagctaag acttcagtaa aattgggggt ggggggaggg ttgacatttt ccgactgcct 60

```

709

```

gttacgtgcc aagtgcctttt tgttaaggac ataatgtttt tractgggga tcatgtttgg 120
ctgatgtaaa tattaatgcc aaaataggag ctaggatgaa agtaacactg taattagtag 180
tagaatttat ttcatattaa aatgtgtcat gacgtaattt ttatggcttg gctcaagcaa 240
caattttcag agtgcacgta agtatcaacg cgtaaaactt aacattttac agtggttatt 300
ggtattattc tctatgaagc tgtctggatc ggtctccttt tccattgggt taattgggta 360
atgctcagat ttgggtcctt agaatcgatc tgtgtgttcc cgggtcttggc atctcattat 420
gtcatttgct gkattttttg atatattatt gtacgtgcaa attgargtga awttgttgtt 480
ttagattaag actgttggga ctcaagctac aacgaggtgt ctctggnggt aaaaaaactg 540
gcagttttta gatttgggta aatcccgnnc cccggg 576

```

<210> 1100

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1100

```

aaaaaaaaa aaaaaaaaga atatccctgt ggcaatagtc tgatggtgtt tggacacaag 60
aaaagttatg gttttgagtc gtgagtgttt gctagggcat ggcactcttc agtttaacag 120
ctgatccatt aaaccttttc tgacatttgt gccttgttct catgctagaa ttaatgctgg 180
atttttctct catttgacca tcaatgtagt tttacttatt gaaaggaaaa aagacttaac 240
acaagatagg aaagatgagt atgagaagta aaacattctg ctgggggtgct acatagaagg 300
ttaggttgta ggggctttga ttttaattta aacttattat cgattgatat ttctgtatct 360
cactaaatgc ggttgaagag tgtgtgtgtg tgtgygcgcg cgcgcagtgt gccaaaaaat 420
agtgccataa tgtcaaattc ttcctttgct ctgtttttga gagttgatga catcaggcac 480
ttttcagtgt ttggggaaat tgattgggat acctcccca aaccaactca agtctgtaac 540
tggaagccag gtggttgggt ttctggtccg ctttgtcctc tttcttttac cgtcatccta 600
ttcaccagca cttaatgtaa gtagatgttt tagaattgca atatttattg gtttagtatt 660
tgtcatcctt agaaatgtta atgatgtatt tttatattga taatataaat ttrtgtagag 720
tatgtgtgta tatgtatttc aggatgttat agtattgtac tttgtatgtg atgggtttttg 780
tgtcttcata ataaatatgt ccctttttaa aaaaaaaaaa aaaaaattc 829

```

<210> 1101

<211> 1020

<212> DNA

<213> Homo sapiens

<400> 1101

```

gcgggagtg gccacgccgc gcgtggggct gtggtggccg cggctctcag atatatTTTT 60
gccatcatgg atcagtttgg agatatatta gaaggtgaag tggaccattc tttctttgac 120
agtgactttg aagaaggaaa gaaatgtgaa ctaactcakt ttttgacaag caaaatgatg 180
acccaaagga aagaatagat aaagatacaa aaaatgtaaa ttcgaacact ggaatgcaaa 240
caacagaaaa ttatcttact gagaagggaa atgaaagaaa cgtgaaattt cccccagAAC 300
acctgtaga gaatgatgtt acacaaactg taagtctttt ctcatgtcca gcctcttcaa 360
gatcaaaaaa attgtgtgat gttacaacag gacttaaaat acacgtgtcc attccaaata 420
gaattcccaa aattgtaaaa gaaggtgaag atgattacta cacagatgga gaggaaagca 480
gtgatgatgg gaagaaatac catgtgaagt ccaagtccgc taaaccatct actaacgtta 540
aaaaaagcat aaggaaaaag tattgcaaag tttagctcctc ttcctcctcc tctttatctt 600
ctcatcttc aggttcagggt acagattgtt tagatgcagg gtctgatagc catctatctg 660
attcgtctcc gtcacttaag tcatctaaga aacatgtatc tgggtataacc ctctgtcac 720
caaaacacaa gtataaatca ggaataaaat cgacagaaac acagccttca agtactacac 780
caaaatgtgg ccactaccct gaggagtctg aagatactgt gactgacgta agtcccttat 840

```

710

caactccaga cattagccct cttcagtctt ttgaactggg catagcaaat gatcaaaaag 900
 tgaaaattaa aaagcaagaa aatgtgagcc aagaaatata tgaagatgtt gaggatttga 960
 aaaataattc aaaatatttg aaagcagcca aaaaagggga agaaaacttg ggccctgttgt 1020

<210> 1102

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 1102

aaattctcaa atatgggaga aattttnttc ttgagaatta tctgagtcac taatattttt 60
 caaaaacagc tctcactgac ttgaacctct tctgtaagct ctaacctttt acctgcttta 120
 catttccact tgaatgtcta gtaggcacct cttgacccaa aacagctttt gattcctgtt 180
 ctccaacctg ttccctctct agttttctcc atctcagaaa tgttacttcc tctgcaaagt 240
 ctttccctga cttatctaaa ataataacct cctctgtttg ctgtgggaat ttgtatagaa 300
 tgggtgggaaa atttcaagtt tcatatttgg attagctctg acatttattt atctgaacac 360
 tggtaattgc ctcagtaaag aacttgataa taagtacctt ttagagttat tttaatcttt 420
 aatgctttta tgtgtaggaa gagtatagtg tcctgttttg cacagaaagg cattctgtaa 480
 ataataagtt gccttaattt tcctgtaatg ttcattatat tgttgtggga aggtatttac 540
 tcctattatt aaaaataaaa atgtgtaaaa tttaaaataa caaaaaaaaaaaa aaa 593

<210> 1103

<211> 1429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 1103

tgncacaggta actttacact tacaatgaat tcatggattt tgtagcagc attggctttc 60
 tcaaaaggac aaactcaata tcgttataaa atataattcg tgatcacaaa ttatacaaaa 120
 atcagtagaa acagtttttt atgttcagat taaaaaaaaa aacttgggat aattttarat 180
 ttacaaaaaa gttgcaaaga tacatggaga gcttctgtga ccaactcacc agttccccca 240
 gtgttaacct tttatttaac catgaagcat ttgtcagaag ctaagtaacc agcaatggca 300
 attactatta acggaacttt gactttattt ttcagattgt actagttttt taattaatgt 360
 catttttctt ttccaggatc caatctagga taccacactg aattagtcgt catgcctaat 420
 tagcctctgg tctgtgatag ttccacagtc tttctttttc ataaccttga cagtttttgag 480
 gagtactggg caggtgtttt gtagaatatt cctcaatttg ggtttgtctg atgttttctc 540
 catgggttaga gtgggggttat agatttttag gaagaatacc agaggtgaag gtccttctca 600
 ctgcatcatg tcaggagtta catgctatca gcttgatggg gtatttaact tggacacttg 660
 gtttaaggtag tgtgtgttgg ttttttctg ctgaaaatta ctgttatttt ccctttccat 720
 acttctgttc tttggaaaac agtcaactaag tccagtcatg ggaggtgggt ggtgggaaaag 780
 attacattca accccctgga agtgggaata tccatatgta gtatttggaa tttttctata 840

711

```

tggaaaattt gtttctccct cccaccctaa tttgtttaca tcagtatgga ctcatgtata 900
ttttgtattt tgggtaacac agtatatttatt ttgttgctta agttgtccag cttggctatt 960
aggagttctg ccaggttggc tactatgtcc ctttgatgtg cccatccttt tgatttttga 1020
gcacttctta ctttctggca ctacaagatg ctccagggtc atcttgata ttccctgccc 1080
caaccctaga atccctagaa tcaaccctg ctccaaagag ccctgggttc ttttgttgga 1140
gaatcatact tagaaaccaa gatctgggca ttagatgtgc ttgttgctac tgggatgtca 1200
ctgtttgtag cagagttgag aaatatgtat gtatattaat ccatgcatat gtacacatct 1260
ataattattt atgtgtgtac aaagctaaac atgagtttgt actgccgtct tcaactcaaa 1320
atttgtccca aaattttgtg gcatatgttt agatttttaa gttgatattt tccctattga 1380
cagaataaac tcattaaaag agcaaaaaaa aaaaaaaaaa aaaaaaatt 1429

```

<210> 1104

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (709)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (714)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (716)

<223> n equals a,t,g, or c

<400> 1104

```

ngttgagtta tttagaattt tatctcaagt gaaagctgat ggattcatct gctttggctg 60
aaattaaact tatcattagt ctagctagca ttccagcatg atattgcaag cactttctcat 120
tgctaaaaat aaataaacca aagtttaacc gaatcagtta gggaaagtga tttaaacttt 180
atttaaagag gtatttttcta attatgcaca gatatctact ttatacaaat acttttatatg 240

```


712

```

gctatTTTTg agaaaaccct cacatTTTaa tgtttatgct agggatgaac ctgaaaattc 300
tattacgttt atttagattt caaaggcaaa tattgattcc tatgctctgt ggtttatttc 360
ttttttctat tgcttctttc tcccttgagt cccttgaagg cagggaatag acttctagaa 420
aacctgagag gaaaaagaat tctttttaca ggaggcagca gaaaactgtc tgaagggtca 480
attgttttat ctccctttcc actctctttc caatttgggn tttggtggtc tgaagaagaa 540
aaagaaattt tatgtatgta tgtgtaaata tgtgtatata tttctatctc ttgctacaat 600
aattccaact aagtgaactt ctcaattatc atcatactta cttaccttat attaacanat 660
taagatgatg ctgccaaaac aagtctagca gggaaaacag gttctacant tttngnaaat 720
aaattaa                                         727

```

<210> 1105

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 1105

```

atgtctgcag tatanatagc atagacattt ggtgtgaagg gaggagaaag gaagtagtag 60
ttctgagaat attcatttga acagagtgcac tatggaagaa tgaatagcaa aaaaaggaga 120
atTTTTTaa aaagatctct cactgggaaa agaaaaagtt atgcatttat aaagtaatta 180
aactggTTTT ccttgtaact tattaatctg aatctaattg cacttcccta cgagggtttt 240
cagatgtgct tgtagttaat ggcaacatta tcagaatgac tacacagaca gtccactctc 300
gaggagatga ctttgggaaga aaccattttg gaactacaca ccctgctatg tctgtggaga 360
aatggaactg caatccctcaa gagtcacact tcatattcct tcccttcaag tgggtgataa 420
aaggtagtgc ttcaagcaca ggatttatgg aatagttggc aaattaaaca acatgctttt 480
tattttgact accatttaag tggaatcttt gaactttttt tttgacatgt gaatctctaa 540
tgtggtgaga gagaaaaaca taaaaatata aaaacattca aaaaaaaaaa aaaagggcgg 600
ccgct                                         605

```

<210> 1106

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1106

```

ggggtgcacc tgcttgtgca gtcagcatgt agctgccttt ccatttccatt ctctactggg 60
ctaaaaattg cagctacaag tgttaccatc ttgaagcagt ccacttccat tcaatttttt 120
tttttttaatt ttagaataac agtgtcccca taccaaagga agcctgctag ctcatctcat 180
gtataaaattt cccatcttca aacagtttag gtgtatttgt tgctctggtc acattctgca 240
taaaagaaat cctcttaagc ctatggttaa gaaaagcctt gaagtttata ttcagttaaa 300
atatatgtcg gtggagatag ccagtgcctc taattttgac ttagtttcat acagtaaagc 360
ctaaatgtga aacgcacacg ctggaagata ttgttccat caatattttg ctttttataa 420
caagggtttg ttcataattg tgccattttt gcaggatttc ttcgtgattt ctgtccatat 480
gaaaatgctg acattaaaca ttaacacatg gagaccgtgc cctgtggccc tgccgtggct 540
gccagcatgg tctgtgtttc cttgtggatt cacctgtggc cctgctgtgg ccaccagcat 600
gggtctgtgtc ctgctggatt cactgcagct gtccgatgcg agtttctgtc ataactcatt 660
gtttcctgat acaattgttc ttattctttt caaaaactgt aaaataatct cctccctcaa 720

```

713

atgcaaaggt tgtttttgtt ctgtttctgt tttctttgaa ataaaattat aacgttaaaa 780
 gaaaaaaaaa aaaaaaaaaa aaaaa 805

<210> 1107
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (19)
 <223> n equals a,t,g, or c

<400> 1107
 aactatata tagggacanc tgcccgtaac ggctccggaat tcccgggtcg acccacgcgt 60
 ccgtactgcc ctttttyaac ctcagatgtg actttcatta taggaagttc tcaggcattt 120
 tctcttggaa taatacctct tctctcttct ctttatgtcc ttgtgccgca ttctgggtta 180
 ttcttttagc tctaggttaa gttcactaat tcttccttta gctgtatttc attattgttt 240
 aagctgtcca ttgcatttta aactttcttt caaatatctt cccttccctt cttttccctt 300
 ctcttccctg ccctgcccgt ccctgcccgt ccctgcccct ccgtcccctc ccctc 355

<210> 1108
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (357)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (408)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (442)
 <223> n equals a,t,g, or c

<400> 1108
 cccacgcgtc cgggttatatt gtattttacc tggcaaccct atgttggagc ctccctccct 60
 gctgcagcca acaggggtag aggatctgag ctgcttattt gtaactgaaa gtccatggga 120
 ctgcttttat ttgggggaat ttttctgtta actgtcatta tgaaagtgat cacgatgaga 180
 gattcagatt tattttttaa attcgggtgga ggaatatctc ctcatcgatt tagatctttg 240

714

```

attttttttca tcagagggttt tgytttctctg ctatagattt tgcataatctt ttgttagatt 300
tataacctgaa ggttttgtct ttttggaatg tgtgtttttg cacgtgtttt gctaatttgt 360
ttttaaatc caaattttat tgcttggcat ataacaattt gaattttngg tatattaacc 420
ctggtgaaaa ggaacccaaa anaacct 447

```

<210> 1109

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1109

```

ggttacctcc tgaatcactg tatatgccat gttttgcgat aagattgctt gcattttctg 60
ctcaacaatg tgtatcttct gtttgggaaa gcaactagtga tggattactt tttaaagcaa 120
tacattttagc ttgcaaattg tgccttttaa aaaaaaataa ggcagacttt tgagggccaa 180
gaagggaagct gtccagtttt ccaaaaatcc tttttccctg ctatcagaaa tgtgaaacca 240
aattttagcaa ccaagattaa tgaaaagatg ggttttccat tagtgctgtc cctatcttgt 300
tcttggtttt gttatgtcct tccccctaga ctgtatcccc acaaaatgtc ctagtaacaa 360
attgcttttt aagctcctgt tctgggaaaa ctaagcatta aaattgatta ttctaaaaca 420
taaagtggac taaagccatc ctattttata attttcta at gcaaagtggg ttagtataga 480
gttaacactt agaagtttat agtttactgt ttttattctt atgtactgta aggaccatat 540
ttgagttttt ggtctattcc taccattgtt tctttgtggg gaggagttgg ggcggtttgg 600
gggattgggt tttttttttt gtttttttaa actacaggta tttgtaaaac aatgtttggg 660
ttcaaacaaa ttagttgtta aacatctgta atccagtttt ctgtaaatgt tgctgttgtt 720
ctaagctctg ttaatgttaa gcattctttg tatataaaat tacaataaaa tgttaaaact 780
gaaaaaaaaa aaaaaaaaaa aa 802

```

<210> 1110

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<400> 1110

```

aaaatgcaaa gctgattttc atgtttatat atattcatac cttgatatat tgcaatttta 60
gagtttctgc agtctgtcta acttggctgt ttgttcatag gccagatcaa actaccctca 120
ttccccaaaa cttggattgt gaagggatta gtgccccaga actctctgtg ttactggcag 180
ggcaaaatgg gtaggaatag tctggcttag ggaaaaagac atattttctc tctaacacaa 240
ctggcagata ctgaagtggg caggtggcaa gaaaaggcaa gtactgagct gattcagact 300
tgcagaaaagc ttctctctct ccttcttagc aaaatgaaag gctctgggaa aaggcacctg 360
cctttccctg ccttgaggat cctggcatcc ttgagtcttt attgaanatt aatttaaatga 420
cttgggtcaac aatagcatta cctaatacaca gagcatca 458

```

<210> 1111

<211> 754

<212> DNA

<213> Homo sapiens

715

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<400> 1111

```
tatagggaaa gctggtacgc ctgcaggtac cgggtccggaa ttcccggggtc gaccacgcgc 60
tccgcaaatt cttttgtcaa atttgcaaatt attgaagaag acacaccatc ctatcacaga 120
cgttatgact tttttgtgtc tcgattcagt gccatgtgcc attcctgtca tagtgatcca 180
gaaatacgaa cagagatacg aattgctgga attagaggta ttcaagggtg ggttcgcaaa 240
acagtcaacg atgaacttcg ggccaccatt tgggaacctc agcatatgga taagattggt 300
ccatccctcc tgtttaacat gcaaaagata gaagaagttg acagtcgcat aggccctcct 360
tcttctcctt ctgcaactga caaagaagag aatcctgctg tgctggctga aaactgtttc 420
agagaactgc tgggtcgagc aacttttggg aatatgaata atgctgktag accagttttt 480
gcgcatttag atcatcacia actgkgggat cccaatgaat ttgcagttca ctgctttaaa 540
attataatgt attccattca ggctcagtat tctcaccatg tgatccagga gattctagga 600
caccttgatg ctcgtaaaaa agatgctccc gggttcgagc aggtattatt caggttctgn 660
tagaggctgt tgcattgctg ctaaggttca taggtcgaca gtgcgaagct tcataccttt 720
gaacatcgcg ctcagcgtga tcgaacaatg attc 754
```

<210> 1112

<211> 624

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 1112

716

```

ggtcctgagc tggctgccgc ttccaagaca gtcgctttga gggctcttgg caccgatttt 60
gttaaaatgc atgagcttag gggtgtgcag cctgtagggg caggggtggg ctcagaatgg 120
atttgggtggc cccaccgtta attaatctcc tgacccttgg gccggtgggt aggtgggaag 180
atgagcctgt gtctcccatg ctgagccaag atcctcaggt accagtagcg gtcaaagcac 240
ctgctccctg aaggaagctt acctggctta gcctcattcc tgctcgtaag tcaggcattc 300
agcttgcaaa gatccccaag cacacaagga gagtcagctg actgagggcc aacagaaaca 360
gcaggcagcc gctgtcagcc acaaagaaac gcagatcctg aaactgtcat catacaggtg 420
agaggatagt tatgtgtgag gtgttcaaag aaagtcgcgc agtcagtgat gagaaagctg 480
katgggtaca tactgtcacg catgaatagg caggactcct taaagaactt tttgggaaat 540
gaaaaacang ccangtgcaa tnggttcatg cctataatcc ccaacacttt nggaggccta 600
aagggggagg atcactttga ncct                                     624

```

<210> 1113

<211> 660

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (658)

<223> n equals a,t,g, or c

<400> 1113

```

ggaggggaaa agccccctct tggcaccccc tcttccttga ctgctgtccc ctaccakcc 60
ttgccccctt catccttttg cgtttgggtat tgagactctc ctagacteta ctectctttc 120
ttttgtatgg acagttcccc ttcagtccca tccccctaca catacaccca gccggggcca 180
aatttatact tatataaaag ttgtaaatat gtgaaatttt atccctgtgc cttttcccca 240
cctcaggccc tacccttggg cctcccccaa ctttctttct ctcttctttg gctgttgtaa 300
ttatctgggg tttgtactgt acatatccgg ggtgtgtgtg tgtgggctgg gggcaaccct 360
tctgtacaga gcttccctgg cccctccccc cccgccccct tgcttccctc cccaccacc 420
acctcaaggg tagggagtgt ctcttccctac ctgttttatt ttgttttctc gttctccctc 480
cccacccac tcccagcctt atctatcccc cctcactgtc cctttttctc cactcccagc 540
cccatttctt ttttttctgg agtgtgtggg gaaacagaaa aaaacatgtt taataaacgg 600
agattgttct tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaancc 660

```

<210> 1114

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (508)

<223> n equals a,t,g, or c

<400> 1114

```

ttttgaaatg tttttgattg ttttatataa setagagtga ctcccttacc cttattttag 60
atctgcataat atagttctag tatgaagttt aatagtttaag gagtttagcta tttgttatct 120
ttaagagtag ggtattgacg tgaacaattg cagtattttg catgatactg ttttatagat 180
gaccttttag gaaagtgggt cattttattaa ttgaactgaa gaagtagttc agttgaattc 240
agtatcataa ttcacaaatt ggaggctgtt gatttttgatt catttaaggt ttaaaatctt 300

```

717

```
tattaattgc aaacagtgc attatttata cttcacagtg ctttcccaga cttccacct 360
taggttctgc tgcaaaaagc accaggtaag cmcaacctaa ggacatatat aaataaatat 420
ttcaatrcat taatgttgct cctgtgaggt ttttgtgggt gtgtattcaa aggcaatctg 480
ctactgcttc cccaaaatgt attttgtnat tttatgc 517
```

<210> 1115

<211> 886

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<400> 1115

```
gccgtcntca aaaaaaaaaa aaaaaaaaaa acaaaaaaaaaa aacaacccag aaaaacccaa 60
aaaacaaaca aacaaaagaa ccaaaaaccc ctttctttca tgcctagatt cattccaaaa 120
agggtttaaga cagcaacaag tgattccagg atctcagctg tgggcatect tgtgttactg 180
gatggctgtg tgtaaytgt tagcagctgg aataagtga gaggggtctg tcctcatact 240
caaagtcctt tgctcatgcc caaggccaga ggynactcat gctgaaacat taccatctcc 300
ctccaaagtg caggggtttag tctactgagta ctgggtggag cacatgactg gatcccagtt 360
aatccctccc agcttaccag taaaacctca ggattcatgc tttcctggga gccacctkcg 420
gccactaaga taggagcggg gttcagacat ggccaggcgc tcctaattctc agacccaaag 480
tgcaattttt ggcagcctgc rtgagaagga ggggtgggagg aaaggtggct agaaccaagg 540
gtagcagcct gggggccttg gaggaacccc argcacagcc catcctaccc tgtctcacga 600
gcagcccgtc ctctctctga ctccccttac cccacacacc gagegccatt ctcttgctgc 660
ctcatctatt ctgggttaggt acttactgag catcaggtgc taggcaagtg gctggggaga 720
gacaacgttt aatgactcag tctccgcctg cacagagcct ttgagtctag agggagacac 780
agacttactg acaggctggg ttgtgtaata agtgctacgg gaggaaaagc tgagagtgtc 840
tgagaattta tgagatgtgt gtctcatcag acttgggcat caaaaa 886
```

<210> 1116

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

718

<400> 1116

```
agacttatga taataagcaa tatttgcaga gtatttgtat gtgccanaca ctattgtaag 60
tgcttcatca tgtactgatt catttaatac tcacagaaat cgtaaatang ggtattattc 120
ttatcctcac tctatggatt aaaaaaacta aggcacaaag ggttaaagcc tccttgccctg 180
agattataga ctgtaagttt gaacgttgag cacttggaat acagarttca tgctgtaaac 240
taccacacta tagggcctcc aatatgataa ttataaaat atttgaataa aaaatgaata 300
ctagttccac atttt                                     315
```

<210> 1117

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 1117

```
nccgacagtg accggnctcg gaaattnccc gggtaacgacc cacgcgtacc gccagcatgg 60
gccaacagaa caaggacctt gtctctatct tgttttttgt ttttgttttt gttttttcat 120
ttttcagtggt tcttaagttt aaaacaaaaa aaaaaaaaaa aagaaaaaga aatgcaaagc 180
tttatcttat gagtcagagg acttgatact aagtcttaag attgtaatac tgccccctgcc 240
aagttaatct gcaaatcaaa caaattcaaa aaaacaaaaa cctccactcc cagatacctt 300
tttgcaaaaa ttgacaaktt gatcttaaaa tttatgtgga cccagagtag ccaaaataat 360
cttgataaat aacatatttg gagtactcac tcggatatca aaacttaggg caaaactaca 420
attataagac aggcataaag ataagcgaaa taaaagtcca gaaataaacc cttgtgtttt 480
gtagtcartt gatgtttggc aaaagttcca agacaattca aatgggaaag aatagtctct 540
tcaacaaatg gttttgggac aagtaaatac tgacccctcc tttatgcgat atacaaaagt 600
taaaactcga atgtaacaaa cacctaaata taagaattaa aactataaaa ctctaagagg 660
aatatctaag ggtaaactct cacgactttg ggttacacaa agccttggtg atgtgacaag 720
tcacaaaaga aaaatagatg aacaccaca                                     749
```

<210> 1118

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

719

<222> (598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (636)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (686)

<223> n equals a,t,g, or c

<400> 1118

```

gggagatggc gtgcaagtat cgcgtgcggt gttctggtgc tagagtggag aggctggcaa 60
agaagaaggc acacgcatgg tgagaatccg gcctgagccg aagcggagtt tgctatggac 120
agcaaccatc aaagtaatta caaactcagt aaaactgaga agaagttctt aaggaaacag 180
attaaagcca agcatacttt gctgagacat gaaggcattg agacagtatc ctatgccact 240
cagagcctgg ttgttgccaa tgggtggttg ggtaatggtg tgagtcggaa ccagctgctc 300
ccggttttag agaaatgtgg actggtggat gctctcttaa tgccacctaa caagccgtac 360
tcatttgcaa gatacagaac tacagaagaa tctaagagag cctatgttac cctcaatgga 420
aaagaagtag tggatgattt aggacaaaag atcactctgt atttgaattt tgtggaaaaa 480
gtgcagtgga aggagttgag gcctcaagcc ttaccaccag gactcatggt agtagaagaa 540
ataatttctt ctgaggagga gaaaatgctt ttggaaagtg ttgattggac agaagatnca 600
gaccatcaaa actctcaaaa aatccttaaa acacanaaga gttaaagcatt ttggttatga 660
gttccactat gagaacaaca atgtanataa agataagcca ttatctgggg gtcctt 716

```

<210> 1119

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<400> 1119

```

gttagtgtat aatgagccca agtgtgattc ttcccatttg ggaattctgt gaatcctgct 60
gtaggttggt gcctgtctga ttataaaaaga ctaggetcat gtttttgctt taaatgtttg 120
agattatggg cttataacctt agtgcttctg gggcaatctg aacattgttt gctttgtaaa 180

```


720

```

ataatttctt ttagagtart ctcatgccaa atttactggc ctttgattca gtacagttgg 240
gtttactgta ttagtagtaaar ttganaccct gcgtanattg gtctcatggt agcattcttg 300
gggaagcttt gaaaaatttc ccaagttaaa aattccagaa attgatnttc cccagatctt 360
ta                                                    362

```

<210> 1120

<211> 1248

<212> DNA

<213> Homo sapiens

<400> 1120

```

gcagaaatgc tggggcctgg aataaggag gagaggggac tggagagtgt ggggaatgga 60
aagaagcagt ttactctaga ctaaagagta tattggggga ggaagagagg gaggcacgta 120
tgaacaagca atgagaagac caggaaaaga aagagctgaa aatggagaaa gccacagtta 180
gaactgttgg atacaggaga agaaacagcg gctccactam agaccgccc cccggttkga 240
tgtccttcca agaatggaat ctttccttgg tgatgggtct tcrccctgtc ttaccagcat 300
ccactctccc ttgtcctccc aggggtgtat ctgagtcagc cagtggcttc ttgatgatgg 360
tggttggtgg tgtagtgtga caggtccctt ttaggttatt taagggtgca tgtcccctgc 420
ttgaaccctg aaggccgggt aatgagccat ttccatggtg cccagctgag gaccaggtgt 480
ctctgagaat ccaaaccatcc tggagagtat ctgagaacca accaagtaaa agtctcgttg 540
ctcatatata gtagacaaag agccagaaaa ttaactgaaa agcagtttag acattggggg 600
aggcyggatc tctcgagctg tcttgctgag tgccctgtgt gtaagtccca ataaacttag 660
ctactcgcca agctggactt gtttgagtca ttccttggtc tcatggctcc tttcccgtt 720
tgagggcaag ttcctgtctc aagtttttgt cctaacagtg gtaaaggatga ttgtggtgat 780
gtcagcagac agcaagagga cttgacatgg ggtcgccctt gcttggggcc agcgtacact 840
gagggaccga tgacatttca atgaaactcc aaatgctata ttggaaacgt tgatgtgtga 900
agaaaaataa aagcaaaacc agatgccagg aacaagtcaa aatgtttgtg tgcattgagg 960
agatgaacca gcctgcagtc aagagacccc atctctctga gcctcagttt cctcatcagc 1020
tgggaaaggg gggctggaca agatgatatc tcacatccac ctggccctct tctcttgtgt 1080
tctagagact tgtgttcaag caacactgac tgatgactga gcctttgtgt gctgatatat 1140
gggctccccct aggtctctgg tgccctgact ctcttctc tgaattcttct tccaggtctt 1200
cagggagcta ggcctccatg gcccttctct cttactctcc agactgcc 1248

```

<210> 1121

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1121

```

gtgatccctt cagattgaat taacgaaaag acaacacttc cagtttttgg attgggaaat 60
accttcta at tgagactata gccaaaccag ggccaaaatt atggatattg gtcaccagc 120
gatcataact aggcttgaaa atcactacac atattttctg ctttgagtga acatttttag 180
aggaaaaggt atgccatctt tttaccctaa ccactgatat tctggttagc agggccagga 240
caaggggaag gaaaatgagg tcaacaaaaa aatcaaattt ttaggaaaag ataagatgaa 300
tgttactgat ttttcctttt ggctgaggct gcaatatggc ctggcaaggc actgktactg 360
atcttgkctt taacattttt atattttgtt catcataatt tttgcattta tttttttaa 420
tattgcatta aaatatcatt tagcttgatt atcgagtttt ttggtttgag gttttttgtt 480
gcttcttttt tcttttcttt ctttccccct cttttttttt gatgtcccct taaattttgt 540
ccaaggcag gtacctcact catctcatcc ttggctcagc cctgctgggt agtatattag 600
atttatttta gtaagatatt tgtgtctgta tgatggtcag agttgaactg atctggctt 660
tcatttttca gtaataaaaa aagttactga atttaaaaaa aaaaaaaaaa aaaaaaaaaa 720

```

721

aaa

723

<210> 1122

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1122

```

tttattctca gaagacttac tatgaatgag ctaaatagtg ttccagatct ggatcgttgc 60
catttatacc tgatggtggt aactgagctt ataaatctgc atttgaaggt tgggtggaaa 120
aggggtaacc ctatctggag agttatttct cttttgaaaa atgcatccat tcagcatctt 180
caagagatgg acagtggaca ggagccaaca gttggaagtc agattcagag agtagtgagc 240
atggctgcct tggccatggt gtgtgaggcc atagaccaga agcctgagct gcagctggac 300
tctctccatg ctggggccct ggaaagcttc ctttcctctc ttcagctcaa tcagacgctg 360
cagaagcccc acgcagagga gcagagcagt tatgctcacc ccttggagtg cagcagtgtt 420
ttggaagaat cgctcatcttc ccaaggatgg ggaaaaatag ttgcacaata tattcatgat 480
caatgggtgt gcctctcttt cctgttgaaa aaatatcaca cccttatacc aaccacaggg 540
agtgaaatte tggaaccgtt tctacctgcc gttcagatgc caataaggac tttgcagtct 600
gcactagaag ccctcacagt tctttcttct gatcaagttt taccagtgtt ccattgcttg 660
aaagtgttgg ttcccaactt ctgacttcct ctgaatcact ctgcatagag cttttgacat 720
ggctggaaaa tatatcttct ttaagcacac tcagctgata ttctgggcta attaaaagct 780
tt

```

<210> 1123

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1123

```

ctagttctag atcgcgagcg gccgcccttt tttttttaaa gaaacacttt ttattttgaa 60
gtaattatag tctcatagga agttgcaaaa gtagtacata gaggccctga gtactcttcc 120
cccagtggtg acaactgtag tataatatca attctgggaa attgacattg gtacaatacc 180
aaatatacta tgcctttttc tctaaggcat gatgttgag tagcatcctt gtacatgtag 240
ctaggagaac ttgtactaag cccagataaa tagttgaagt acaagggcra ggagtgtgtc 300
tttgataatt taatagaaat cacctattgc cctctagaaa agctgtacct ttttccagt 360
gcagagaacc ttcctgaaag gcagtcctgt gtaatggtgt ccatttcac acacccttaa 420
aacactcagc ttttaacaaac atgcagattt ttgctgatgt gggagaaaat attaatatt 480
aatgatatta aggtgattat cttttcgtat gtttatagat atttgtattt ctttttaaat 540
gaactgctca tgacctttgt ctacttttat ttgggtttac ttctttctca tttattccta 600
taaactcttt ataaaaggaa attaaccatt tgattgtcat atgttgtgaa tttttttacc 660
attttgactt ttgaatttat gtctttttta tgaattgtag aagtttaaaa tctttatgga 720
ataaatttat ttagtttttt gttaaaaaaa aaaaaagaaa aaagacaa 768

```

<210> 1124

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (52)

722

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<400> 1124

```

agcaggccag gctccccctcg gcaaacctgt ctaattgggg cggggagcgg anttcctcct 60
ctgaggggccc tgcgcgctgc cagatttggt ctcccgcccc tgcctccgcg gctcggaggc 120
gagcgggaagg tgccccgggg ccgaggcccc tgacggggcg ggcgggagcc ccggcagtc 180
ggggtcgccc gcgaggggcca tgtcgctgtt gggggacccg ctacaggccc tgccnacctc 240
ggccgcccc acangggccg ctgctcgccc ctcc 274

```

<210> 1125

<211> 1135

<212> DNA

<213> Homo sapiens

<400> 1125

```

aattcggcac gaggagctac ggaaggaggg ctttgacccg gctattgtga aagaccgcgt 60
gttctatcta gatgccaga agggccgcta cgccccgctg gaccaagagg cctacagccg 120
catccaggca ggcgaggaga agctgtgatt cccccatcc ctctgagggc cggcggatgc 180
tggatccgga gccccagggt ccgccccaga gcggtccttg acaaggccag accaaagcaa 240
gcagggcctg gcacctecat cctgaggtgc tgccccctca tccaaaactg ccaagtgact 300
cattgccttc ccaaccttc cagaggcttt ctgtgaaagt tcatgtcca agttccgtct 360
tctgggctgg gcaggccctc tgggtccccc gctgagactg acgggttttc tcaggatgat 420
gtcttgggtg agggtaggga gaggacaagg ggtcaccgag cccttcccag agagcaggga 480
gcttataaat ggaaccagag cagaagtccc cagactcagg aagtcaacag agtgggcagg 540
gacagtggta gcatccatct ggtggccaaa gagaatcgta gccccagagc tgcccaagtt 600
cactgggctc cacccccacc tccaggaggg gaggagagga cctgacatct gtaggtggcc 660
cctgatgccc catctacagc aggaggtcag gaccacgccc ctggcctctc cccactcccc 720
catcctctc cctgggtggc tgccctgatta tccctcaggc agggcctctc agtccttggtg 780
gggtctgtgt acctccatct cagtcttggc ctggctatga ggggaggagg aatgggagag 840
ggggctcagg ggccaataaa ctctgccttg agtcctccta gcctgtgtgc aaaccaccca 900
agcccaccct gaccacagaa cccacagccc ccaactgtgg cgcttgatcc cccacgcca 960
ccccctggcc cattgacccg cctcatctgt tcattcactt atctaagctg aggggtgtagc 1020
aggtaagatg ccgcagcccc tgccctccaa gtgctggttc agccggggca gtgcccattg 1080
gaatctggca aggtgtttaa cagtgtgggc ttgaaagtcc aaacaaaaaa aaaaa 1135

```

<210> 1126

<211> 446

<212> DNA

<213> Homo sapiens

<220>

723

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<400> 1126

```
aattcggcac gaggacaaaa ccaattaaac cggctctcaa atcagcagag gtggaattga 60
agacaggagg aaataattca aatcagggtt ctgaaactga tgaaaaagaa gacctgctgc 120
atgaaaaccg cttgatgcaa gatgaaattg ccaggctcag gctggaaaaa gacacaataa 180
aaaacaaaaa cctggaaaag aaataactta aagactttga aattgtgaaa agaaagcatg 240
aagaccttca aaaggctcta aaacgggaat ggggaaacat tagcaaaaac gatagcctgt 300
tatagtggac agcttgctgc tctgacagwt gaaaacacaa cgctccgttc cmaactggag 360
aagcaaagag agagcaggca agactggrra cagaatgcat cctaccttgt aggctgatgc 420
tgttcgttgt gttcnggttc aagtca 446
```

<210> 1127

<211> 573

<212> DNA

<213> Homo sapiens

<400> 1127

```
cctcatctct atggctctat ggctgtacat taggacctag aacagtggcc cattgctctt 60
agactggaac catgtccact aaaataaacc taagcagatg ttgtagacct agccccacag 120
gactgcattt agctgcttca gtgacacttt gatgaaagta tggagaagtg gagacattat 180
agataaaata tatcaattcc cagagaaaaa tcttgactta aaaacttaac tgtagtaaat 240
atatcttttt cagggtgatga attatttttt taaaaagggt tacatatagg aattctgcag 300
tataatttgg aggctattag tgctatatta atggaaatta attatttttt aagtaagtcc 360
aaaaaataat ctagaaagta agtttccaga gcaaatctga cctagcattt ggtatgctag 420
gctctgcttt tcatgatttt gaaataaatc ataattagac ttaacaatat ggagaaaata 480
aacttgattt tttaagtgtt ctggttggtt attttctgtt tcatccaact caataattct 540
gataaataaa tttggttcta gtttaaaaaa aaa 573
```

<210> 1128

<211> 2229

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (872)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1968)

<223> n equals a,t,g, or c

<400> 1128

```
tcgacccacg cgtccgccca cgcgtccgcc tgactttctc tcccggccag ttctcgagcg 60
cctcaccggg cctcgccctg cagcctcgct ctcgctggcg ctgcgcggcc taggggactg 120
ggctgctggc ctccgggtgc ggggtggggg caggctccga cctggggcgt cctggcagcg 180
cgagccgcgg gatggggggc cgggcccgcg aggaggcgcc gctgctgtgt cccttggtgg 240
```

724

```

agagggcgct gccggccctg cgcgggtttcc agccaggaag cttcggaag cctggacgtc 300
tgctcactgg agatgacacg tgcgtggggg gttggcattc ttgttattta acacgggaag 360
gaggtgactt cgctgtgat ggacttccag tgtgagcact ggccagagt accaggctga 420
ccagcaccag ccctgatcca gatgcagagg ccaggatgtg ggcccagccc tgtgccagga 480
ggctggctgg aataaaggga tgggcaggct ggcatggggg cagccgctgc ccctgcctgg 540
gtgttgctgt gtattcctgc cggccagggg ccactgccag gaccacgcct cccttttcat 600
atcccgattc ttaagttctg ctattgtggg attctggtgg agaaaaaaga accgcgtggc 660
tgtttttgaa ctgcctggaa cctaagaccc tgaattcttt tccccccaa ggggaaaatc 720
tatatggaaa acatttattt taaaatacag gatgaagtga attaaaagat tttaatgcac 780
atttctttta ggataatatt tctgtgttgg caaaatttga gagtaaattg gtcttgaatg 840
gaatggattg tcttgaactca cacattgcgg ancagagccc gccctgaaga aagggtgttg 900
tgtggtggga tcttcccacg agggtccttg cctgttctcc taggggatgg ttgctgggtg 960
ccctgggcta ctggggagag cgtacggggc tggagaagat ggccattcct gggctgtttc 1020
ctagggaaatg agttgtacat ctcattggtg gattttgtaa aatcagtttt taaaataccg 1080
catatatctg ttttcttact ggaacacctt tttcttggtc tgttgtgcac agcccagggt 1140
tgggggggtac tggtcattga ctgtttcaga agccgctgtg tttgggggaa tgccctggcg 1200
gcttcagagg tgtgtgtggg ttgaagggca ggcactctgc aatagacctc acctgggact 1260
aacacytgag ggcyrctcg ccaggaagga ttcaggggct caacccagc ctgagtgcct 1320
gggctgggtg gatccacagc ggggcgaagg gtcccacaca cagcatcgat gggggctcag 1380
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caaacccccct tggaggactc tcctgccggg atgtccatgt ccgcctttgc tccgagctgg 1500
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acagttgcat ttcacatctt ctgacaggat tccttgaggg aggytggtgac cctggcacct 1620
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gagatcttct tccagagcag agtcttgagg tggtgagca ccagcgagt atgggcctcc 1740
acctggctgg ccagcccgtc cagcgtggta caggtgcgca gctgtgtgcc cagctcctcg 1800
cggaggtcgg cgggcgcgcc aggcagcagg tagccccgta gcagtgcgca caccttggcc 1860
aggttgggct ggatgaggtc gcccttgcac tgctcatga gcctgtcaca cggggccctg 1920
cagtcgcgcc cgtaggtgca gtcggtgctg tgctgcctt ggcgggcnaa gatcgccatc 1980
ggcctgctgg agttcgtgga ggagctcttc cacggtctt acgggacttt ctacatgtgt 2040
gagaccacac tggccaacgt gggctacaca gccacctacg acttcaagat ggccgacctg 2100
cagcaggtgg caccgaggc caccgtgcgc cgcttctct cgtgccgaat tcctgcagcc 2160
cgggggatcc actagttcta gagcggccgc caccgcggtg gagcaccagc tttgttccct 2220
tagtgagct 2229

```

<210> 1129

<211> 949

<212> DNA

<213> Homo sapiens

<400> 1129

```

agctaccacc tcaagctttc aaccacattg ccaagttatg cagccttaaa cgacttggtc 60
tctatcgaac aaaagtagag attgaagact atgatgtgat agctagcatg ataggagcca 120
agtgtaaaaa actccggacc ctggatctgt ggagatgtaa gaatattact gagaatggaa 180
tagcagaact ggcttctggg tgtccactac tggaggagct tgaccttggc tggtgccaa 240
tctgcagaca scaccgggtg ttcaccagac tggcacacca gctcccaaac ttgcaaaaac 300
tctttcttac agctaataga tctgtgtgtg acacagacat tgatgaattg gcatgtaat 360
gtaccaggtt acagcasctg gacatattak gaacaagaat ggtaagtccg gcatccttaa 420
gaaaactcct ggaatcttgt aaagatcttt ctttacttga tgtgtccttc tgttcgcaga 480
ttgataacag agctgtgcta gaactgaatg caagctttcc aaaagtgttc ataaaaaaga 540
gctttactca gtgacttaat atatgttctg tattaaaatt aatgtgcttt gttgggggtt 600

```

725

```

aattttggga ttggtttttg gttttgtttt tagttgtttt aatggtaaga attaagacat 660
ttgtagattt taaagaaaaa tatgaaattg tccattaaat caagtaaaaa tgtgcacaaa 720
tgttttcata aaatactgca agcactttct ttcaagaata tgagtggata ttatTTTTac 780
cttatgttaa tcagtgatat gctttagtca ataatatgat tgataaaaga ataacatgga 840
atcatgctaa cttatTTTTca aaggaacact gagcaataaa gtatcgtggc atttatgcaa 900
aaaaaaaaagt taatTTTTta caccttcacg taaggatgtc ttattaaag 949

```

<210> 1130

<211> 1418

<212> DNA

<213> Homo sapiens

<400> 1130

```

agggtttcct ggataggctt gctgaagatg aaggggacag tgagccagag gccgttggac 60
agtccagggg agaagacaga agaagtagag aggcagggcc tggtagacagt atcagtgagt 120
gccatacaga attgtgtatt caccagcatc atgaaacagt tgtggtcttt tgagtgtatc 180
ttggcagagt aaagggacgt gtcttgagc cattcctgaa tctcccttc tttgtgacag 240
ctcctcccac ccccccaaaa aataaaaaaa ccacaaaaaa caaaaaaaca aaactaaggc 300
acttcaacta gagactggag tcctgcttat aatcatgcat ataaccttta ctttgatgga 360
tctggccaga ggggtgttg agcccagccc acccacatac cagtcaagct cttaggggag 420
cagaagaaaa gcaggaagaa tttaaatgtt taatTTTTt tttaaattga cttttctagt 480
tattaaagt tgcttgtttc agcagtgata ttgtataaag aacatcttgt aagatactcc 540
tgacatcttg ctttagcaca tgtacagtac agtttctatg ataatgtgtt tgctctaact 600
tccctggctt ctcttcagc ccatccactc tcctctagag cagttgggtt ggaggctcat 660
tgaggcaagc agcaacattg gagggggagc agggcagtg tgtgtctgct gcctcccatg 720
cccgttctga cctcagcctt ggaactcctc aagaacctga agattccagt ggtcagtgtc 780
gggtgggggt gggaggagag agcggcagag aagctctgag agcccttcc cccacaacaa 840
atctagctct agttgttata tttaggcaaa actttgtagt cttctttccc ttttatgatg 900
gattttgata aaagtacaaa acagggtttt tcttttttat cacctttgaa tttggaaatt 960
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ctcctgcccc aggacgacga ggattgctcc agggctgctg ggtagtttac cgtcccttct 1140
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tgcctcctac atccagtctg ttcttgttca tagtgagaat cctgtgttcc cacttcagtg 1260
acacctgaat tgtttgttgt tgtttttttt ttttattgtc ttcaaagagg aaggggccca 1320
ttaaaggggt aacttgtaat aaattggaat ttcaaataaa cctcatgtac ttgtgtttat 1380
aaagaaraaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1418

```

<210> 1131

<211> 1662

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1656)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1661)

726

<223> n equals a,t,g, or c

<400> 1131

```

aacacatcag wactcataca ggagaaaggc cctttaagtg tcccttcgaa ggctgcgggc 60
ggtccttttac aacatcaaat atcagaaaag tgcacgttag gacacacaca ggagaaagac 120
cttattactg cacagagcca ggatgtggga gggcatttgc cagtgcacaa aattataaaa 180
accatgtgag gatacacaca ggagaaaagc catatgtttg tacagttcct ggggtgtgaca 240
aaagggtttac agaataattcc agtttgtaca aacatcatgt tgtccacact cattccaaac 300
cttacaactg taaccactgt ggggaagacat acaagcagat ctccacgctg gccatgcaca 360
aacggacagc ccacaacgac actgagccca tcgaggagga gcaggaagcc ttctttgagc 420
cgcccccagg tcaaggtgaa gatgttctta aagggtccca gattacgtat gttacaggtg 480
tagaagggga cgacgttggt tctacacaag tagccacagt aaccaatct ggactgagtc 540
aacaagttac actcatatcc caggatggga ctacagcatg caacatatct caagctgaca 600
tgcaggccat tggcaacacc atcacaatgg taacgcagga tggcacgccc atcacagtc 660
ccgccccatga tgcagtcac tcctcagcag gaacgcactc tgttgctatg gttactgctg 720
aggggtacaga agggcaacag gttgcaattg tagctcaaga cttggcagca ttccatactg 780
cctcatcaga aatggggcac cagcagcata gccatcactt agtaaccaca gaaaccagac 840
ctctgacctt agtagcaaca tccaatggca cccagattgc agttcagctt ggagaacagc 900
catctctgga agaagccatc agaatagcgt ctagaatcca acaaggagaa acgccagggt 960
tggatgatta atcctcagaa caatggagca ataaagcaga aggagtcttt catcttctgg 1020
cagcagaaat ccatgaagcc cggggccagg aaaattagaa gttttccatt cctgatacac 1080
tgtacacatt tttatgcgag agtggagaac attttattct tgacactttt gtgtatataa 1140
cccttggaat agattctcag agtgattcat tgtgtacaag gaagtatgaa attagggcaa 1200
tacagtaaat tttcatgtta ctcttttatc agatcacaaa ctcttagagt ctacatgcaa 1260
gactagtaaa gtcttatgga gtcttatgat ggatttttaa cttcccgtgg aaaaaaaaaa 1320
aaaggctgta tctaaaatat caaagggtct atatgtcaca caatcgtaat tccaaaagcc 1380
attatggata ataaagggtg taaagccttc agatatttcc ccagttagta gagtgtctgc 1440
ggtttttggt ctactatatg cttgtccatt tttatttgta tctcatgggt tgcagactgt 1500
ttgaataatt tatagtttcc catccctgtt aaaaaccagc tcttcaagct gaaatgctaa 1560
ttatattggc attacattga attatgtaca aaattataaa atttggttat ttaaaattaa 1620
aaagttaa at ccaaaaaaaaaa aaaaaaaaaa aaaaangggg ng 1662

```

<210> 1132

<211> 387

<212> DNA

<213> Homo sapiens

<400> 1132

```

ggcacgaggt ttttaaagat agggtcctgc catgttgccc aggcttgact tgaactccta 60
ggtcaagtga tcctcccatc tcagcctcct gagtagctgc gactacagga accagccacc 120
acacacccat gtccacccac cttagggtta atctttgtta ctagccctca ctactcagaa 180
ttggtgagac ctctccattt ctgcttcaact cagcttacgt ggtttgctca cactgacacc 240
aacaacacc tgtcaatccc tatgtccctc ctgtcttcca aaaataccta gaaattgctg 300
ctctattgac ggtagtatct cttgttttct agtgttgcta ttatttctct attgtactcg 360
gttttgcatt ttagtcacct gaatgtc 387

```

<210> 1133

<211> 82

<212> DNA

<213> Homo sapiens

727

<400> 1133

tgcagccacg cgtccgggtc tagatcgcca gcggccgccc tttttttttt ttttaaactg 60
ttctgcactg gcaaaaaaaaa aa 82

<210> 1134

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1134

ggagaccaga gtgggaggaa ggcggggagt ccagggttccg ccccgaggcc gacttcctcc 60
tggtcggcgg ctgcagcggg gtgagcggcg gcagcggccg gggatcctgg agccatgggg 120
cgcgcgcgcg acgccatcct ggatgcgctg gagaacctga ccgccgagga gctcaagaag 180
ttcaagctga agctgctgtc ggtgccgctg cgcgagggct acgggcgcac cccgcggggc 240
gcgctgctgt ccatggacgc cttggacctc accgacaagc tggtcagctt ctacctggag 300
acctacggcg ccgagctcac cgctaactgt ctgcgcgaca tgggcctgca ggagatggcc 360
gggcagctgc aggcggccac gcaccagggc tctggagccg cgcagctgg gatccaggcc 420
cctcctcagt cggcagccaa gccaggcctg cactttatag accagcaccg ggctgcgctt 480
atcgcgaggg tcacaaactg tgagtggctg ctggatgctc tgtacgggaa ggtcctgacg 540
gatgagcagt accaggcagt gcgggcccag cccaccaacc caagcaagat gcggaagctc 600
ttcagtttca caccagcctg gaactggacc tgcaaggact tgctcctyca ggccctaagg 660
gagtcaccagt cctacctggt ggaggacctk gaggcgagct gaggtcctt cccagcaaca 720
ctccggtcac ccctggcaat cccaccaaat catcctgaat ctgatctttt tatacacaat 780
atacgaaaag ccagcttgaa aaaaaa 806

<210> 1135

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1135

gagctgaagc tgctgtcggg gccgctgcgc gagggctacg ggcgcgcgcg acgccatcct 60
ggatgcgctg gagaacctga ccgccgagga gctcaagaag ttcaagctgg tcagcttcta 120
cctggagacc tacggcgccg agctcacccg taactgtctg cgcgacatgg gcctgcagga 180
gatggccggg cagctgcagg cggccaacgc ccagggtctt ggagccgcgc cagctgggat 240
ccaggccccct cctcagtcgg cagccaagcc aggcctgcac tttatagacc agcaccgggc 300
tgcgcttata gcgaggggtc caaacgttga gtggctgctg gatgctctgt acgggaaggt 360
cctgacggat gagcagtacc aggcagtgcg gccgagccca ccaacccaag caagatgcgg 420
aagctcttca gtttcacacc agcctggaac tggacctgca aggacttgct cctccaggcc 480
ctaaggaggc cccagtccta cctggtggag gacctggagc ggagctgagg ctcccttcca 540
gcaacactcc ggtcagccct ggcaatccca ccaaatcatc ctgaatctga tctttttata 600
cacaatatat gaaaagccag cttgaaaaaa aaaaaaaaaa 639

<210> 1136

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (427)

728

<223> n equals a,t,g, or c

<400> 1136

```

gtccggaatt cccgggtcga cccacgcgtc ccaaaaaaaaa gcaaatgctg aaatcctatt 60
ggcaaagtaa actgaaattg gctgctatat tttatataat ctttctgca aatcccat 120
tttgaatact aatatttgac atgggttaatt cttattaatt tgttggaatt gtttattg 180
aataatgcaa atagataatt ttttaattatc cacaagtaac atttctactgt taatgggttg 240
aaataggtga taagcaaacc aatttgaaat aaaatataaa catgtgccat tgtattataa 300
cactatacac tttcttgaca gttaaattta aaaaaaaatt ttttttggtg gcatgtattg 360
tatatgttta tagtatatgt agtaaataaa aatatggcca aaaaaaaaaa aaaaaatta 420
ctgcggnccg acaaggaat tc 442

```

<210> 1137

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (647)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (652)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (668)

<223> n equals a,t,g, or c

<400> 1137

```

aacaaatggt gtcacttgaa ataccaaaac aacatttctg agcgttggtg agggactggc 60
aaagcaatca gctactataa caaatcagta grrataaccc tcccacacca gatatgcatg 120
cagaaggaat ggagtattat agagacttga tacaatggac atatgcacat ggagggtacaa 180
aacacacagt ctaaatacaa atgaattcca tcagatttac tatacgggaa atcagtagtg 240
acagattgca cttcttactt aataacagca aacttaattt ctgaggggaa aaaaatggcg 300
aagtcttatc ccaaacaaat agcaagagag gtatcatcaa gagctaaaat tttctttggc 360
atggtaaagg gggaaattga gtttaccaac ttatttacat gacatttctc tatattgggtg 420
agtaatgcaa tgccattttg ttacataaag ttgtttgatg ttttttaata tgccttcata 480
taaatatttt attcaatatg ttgtatttgt gaatttaaca aatgatatta aacacaaact 540
acaatgcaga caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggnggc cnttttaag 660
gntccaantt tac 673

```

729

<210> 1138
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 1138
 gcccacgcgt cccgatcttcg agctgaagaa attgatccag ttacttttga tcttcaccct 60
 ggtcagggcc atacaaaacc tgaatactat taccctaatt tccttccatc ccctttcagc 120
 tcctgggacc tacgagatat ggccctgctt ctgaacgcag agaacaaaac ggaagccgtg 180
 ccccgagtgg gaggacttct tgggaagtat atcgatagac ttattcagct tgagtggctg 240
 caagtccaga ctgtacagtg tgaaaaagca aagggggggca aagcaaggcc cccactgcc 300
 cctgggacct cagggggcact gaaaagccct gggagaagta agctaattgc tagtgctctg 360
 tccaagccac tacctcacca ggaaggggct tcaaagtcag gcccttcccg aaagaaagct 420
 tttcaccatg aagaaatcca cccatcacat tatgcatttg agacttcccc tagaccatt 480
 gatgtgcttg gtggtaccag gttttgttct cagaggcaaa cccttgaaat gaggacagaa 540
 gaaaagaaaa aaaaaaaaaa 558

<210> 1139
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (59)
 <223> n equals a,t,g, or c

<400> 1139
 gatcatatgg taagcgtacg tttagtttag tttttttttt tctttttttt ttttktttnc 60
 ygggggttaga agcyattcga aaagtccagt ttcygtccca gtgtagcaaa atgtagttcc 120
 tcggttggtt ttcttttaaat gctttataat tttacactac ctttttaata tacaaacctc 180
 attcttcatt ggataacttg aaggctttga tttcttttaa aattttaaatt ttagtrtgta 240
 tattactttg acagttccct catctttgag atgcaactgat cactgtgctt gaaaaagaca 300
 atactgaaga ttgtactatg aagtttattg aataattttc ataaattatt tatccaaatg 360
 agagattttt agatttttgt attctgctta gttttaaaaa aaaaaaatag tagtttaaaa 420
 gagaggctag taagtttgat gctattcttg ccaaacaaac tcagccaaaa tctttaaagt 480
 aacaagaggg aaaaggatga ctaatcgctt tgcttctgag tacattttcc aaaacgttg 540
 aaagaaactt ctgaattgaa atcttgaaatg tattgaatct gtcaagggtac acagcgggtg 600
 ctttgtaaat gttcattact ttattttaatc aggtgataag tgggtgtaatg tagcagagct 660
 taagaataga actcaattat cactttttgt gaacaagttg gaattgtcat gttactgtgt 720
 aattgatattg ctttacaaatg aacaataaat ttaataaaat aaaaaaaaaa aaaaaaagg 780
 cggccgctc 789

<210> 1140
 <211> 830
 <212> DNA
 <213> Homo sapiens

<400> 1140
 ggaacacagt ttgtaagttc acatttacta taatggggcca aaaccataac ctgccagttt 60
 gcaatacatc ttgatctttt aatattctta tctgatattg tgtaattcaa ttcctaaact 120

730

```

gatagttacc ttgaattttg cgaaaagggt tgggtgggtt tttttaaaca tgaaattgag 180
ggatctcatc tgggcgaaca agaagagaaa gctgtgaatt gtactgtatc atgtacattc 240
ctgatttaat actttacaga acattttatt cagatatcaa tttgttacat aaacatttca 300
gcaatgatac aaagataact gataaaatat attacattca atgagggttt ctttacaagt 360
gctctacttg aggtctgtgt cttaaagatg gcatgacacc taagtacaag acatcaactg 420
aatgaggatt ttaaaaaatg gtatataagc ataggacaag ggctatgttt gtttgttttt 480
caaaagtgct ttgaagataa cagccttttag gtttgagtta tttcactttt cataattttt 540
aagtagctta tatataatgg tgggtaccata ggatttttct ttttcaaagt actgtcggca 600
gaaacagtgg gcactgactc accttttgag ttttagcaga gaattattta tttctttaca 660
atgcactttc taaccatttg tagctatatt agcattatct tttaaaaaag acatgctttt 720
gtattttaa atgttaggat ttaagtgkct ttctcaaaat agcytattcc tttctgaaag 780
aaaatgaggg aaatactctg aattattagg agacttaaac ccaatattta 830

```

<210> 1141

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1108)

<223> n equals a,t,g, or c

<400> 1141

```

catttaatac tggagttagc cacatgtgat tagtggctat ggtattggac agggaaggta 60
cagaatactt ccatcaacat agaaaaattct atcagtctag ctctaggggc agatagtcct 120
tccactgact tgggcaagtc actctacaaa tggcatctac ctcacatggg tatggtgaga 180
attcagcgta tgtatgtaca tgcaggcaca caatatgcac acagacacat aacatagtac 240
accttttctt gaaaagcctg acacatggag ctcaaacatg agtgccaccc acccctgggc 300
agcaccaaga tggctctagt ctgggtgcct ttgtctcacc cccatgcctt tgctcggagt 360
gtgtcctca tttttctgcc actttgaccc tgtctctgat ttggtcctgt ctgacatcac 420
tgctatatgc tttgtcctc tcaatttctt ctgccctcat gccagcagga gtcatgccag 480
agatcatatc tgagaaagca agacaatttt gtgtgtgtgt ctgtgcccac agaggagtgc 540
tggttgtgtt gatatagttg tagattgggt gtgtttacac agttgtatat attgacaccc 600
ttgagtgtta tgacttcttt tgggggtggt cgctttttaa atcataactt ttaatgggat 660
tccatttttag tctttgtgaa gacataaggt tgttggcagg catctgtccc tgggagcatc 720
caagcagaaa agactaagac tccctttagt acagatcact ggccgccact gaagtgtgtc 780
tgcatggcac cacagggtct gaagaccctt gaaggcagga attcaaggaa atgtatgatg 840
aattttggca ttgccatcaa aagcagaaca ggcattgaaa acttgggtga gtgggcgaga 900
caacctctc accacagcag agttccatcc atgcctggat aatgakggag ggatttgtgt 960
ccactgcagt ggggaacctt gaaggacaca tcaagggtgt ggttggcctg tggtgctctt 1020
tggaggaatg aataaaaaatg aatagaaatc ctaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaggnntt 1110

```

<210> 1142

<211> 406

731

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<400> 1142

```

gttaaaaatg gaaagcagaa agtaactgca gtgatgaaca ttttgggtcca aattcttggtt 60
ttaaatctta cacctgaaaag taaaatattg ggatcacttt tccctgtcta aactccagga 120
tacagtatcc aatttatcca aacagaactg tgggtgtcaat gtgtaattaa ttgtgtaaaa 180
tagccttccc aagtttcttt ttccctggaa aaataaaaaa ggtaatagaa cttgtagttt 240
tatgtaaacc ccatgtcatg aggaggtact agttccaagc aacaaactcc ttaatttgct 300
ctaatagata ggtatggttt aatctttcca ttgtgtcttt tcatttaatt ttcctgaagc 360
ttgcaggata gattgaaatg ttatagggtt gtttggantt aaccac 406

```

<210> 1143

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 1143

```

gcgtccttcc acgcgtcccg cgactgcagc gggtnccgtg caggtgaggg gcgcgcgcct 60
gcccagcttt gcagcccccg aacgcggcct cgcacagata cccagacaaa tggattctaa 120
aatttgaata gaagagcaaa gaaaatagga accaatttga aggactacaa ggtggactgc 180
ttgctcagct cagtatcaac acttatggag tcattgcagt tttcagtaga ggtgtacttc 240
tgagaagtgg cttcttgggt cttcatgcag ccatggatct ggatwaacca tctgtttggg 300
gctcattaaa acagcggacc aggccattgt tgatcaactt gagcawgaag aaggtgaaaa 360
agaacccaag taagcccca gatctacggg caaggcatca cttggaccgg cgnctcanc 420
t 421

```

<210> 1144

<211> 266

<212> DNA

<213> Homo sapiens

732

<400> 1144

```
aaaagtgtag ttatcgtaac atcaccttga aacaactttg ttactgggat acatttaatt 60
aagcaactac catgaatgta gtcggtacct tgccttacgt gcttcagtat atatgttggt 120
cttggttttat gtacaggcta aatttgkaga ttgaatagca gaatattagt tctgwtctta 180
tagggcctac tgstgtattc agagttatga agctacgttt cttctgcgtt tggctgcacc 240
atgaaatcct aagaagacct aaaccc 266
```

<210> 1145

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<400> 1145

```
gcatnaaatg caagtataaa acattccaaa ttaaaataga atatgcacat tgttcaaagg 60
caaaactcct accctactat atatatattta catccctcat tttttccccc tctaaaatgc 120
attggtattc aggattagaa tctgaatcct ttgctataaa gttgacatac atnggtttta 180
atcccttgaa agttcagtaa agacctaaaa ggaaaagcat cctaccacac cacactcatg 240
ttgtatgtgc aactattata gtggcttaga gacactagtt cgtgttcttc gtttctatat 300
tagtaaagat gttagaggaa attaactctgt ttgttgcatc agggtttaat gtgaccatgt 360
tgkataacta ttctgaaagg taagaagttt ttcactggag tacagtcact ggctgagaac 420
atttaagttt ttttttgaag catacacagt taacaactat tgcaggaaga actctgaatt 480
aaatttcagg cccagagttt tgatttaaac tccaaaccct tggaaaaaaa gactgctgga 540
aaatatgaaa gaacccttcg tttcttaacc cccacaagtc cttttattgc acttactttc 600
atgtatttga ggatgagagg agctttaaat caacaataat tcactaagga ataatgcaag 660
gtggtctatt gtaacatttt atgatattat tgccctggaa ataaaagata ctgaacaatg 720
taaaa 725
```

<210> 1146

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<400> 1146

```
cccacgcgtc cgcccacgcg tccggttcaa aattcaacag tgtatgtcat tgccttctct 60
atagggtagc agtcgtcctt cacactatca tgttttatgg gatgataact gctttactgc 120
```

733

```

agatgaactt cagctgctaa cttaccagct ctgccacact tacgtacgct gtacacgata 180
tgtttctata cctgcaccag cgtattatgc tcacctggta gcatttagag ccagatatca 240
tcttgtggac aaagaacatg acaggtaata taaaagcata acaggttctc acccaaattc 300
cmatattgtc tgcattgtag gattttcaak ttccacaagc tattaacgga rctmgygat 360
ccatgtkaaa aatgatgama gaactgactg cccaangatt cctatttgaa aatatattgg 420
tctaggctca tttag                                     435

```

<210> 1147

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1147

```

gtgttaatgt gtgtgtatgt gctttggttg taggaaaact tgaaaattcc aaaatcctta 60
ttttcctatt tgagaggctg gttcagcagg gtgtgtgtgt gtgtgtgtgt gtgtgtgtat 120
gaatggtata tttattacat ttttttgaaa gagaattagt gtgttatgtg gataatgtta 180
tatacagcca aagtggatgt ttctrttttg caaggaaggt aggatttctg aaactcaggc 240
cttaaccaat aggttgaag acaagaccaa ttgaagagtt aggaaatgtg agtttttgtt 300
acttctgtta ttccagtctt ggtttcattg tctcattctt tttttttaa atcttgtgcc 360
taaaagtttt tttgcttaat tatgaagtag acatgcatgt ttacatttat gtaaaatatt 420
tgctgtgtaa agtatttttt gtttattctc ttaaaagatc actatattta aataaaagtg 480
aaggtcagca acmcaaarar aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa          533

```

<210> 1148

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<400> 1148

```

tgacatggta gcgcacgcct gtagtcccag ctactcanga ggctaagggtg ggaggatcac 60
ttgagcctgg gaggcagagg ttgcagtaag ctgagtaagc caagatcatg ctattgcaact 120
ctagcctgga tgacagagtg agaccttgct tcaatgaaaa agcagggggc actkggaggg 180
ggaaccaaatt gccctatcct ccagttctca gcatatagaa gggagctctc tcatctgcta 240
gccactcctg cctcactgtg ccatgctttc tgtaatgcac tctgggtcca gggactgctt 300
ggcaggagng tgggaagaac aagaagttaa gggccttccc agtttcttag ggccgtgtctg 360
gagaggggaac tagcgtttac tgagttttta cgatgt                                     396

```

<210> 1149

<211> 540

<212> DNA

<213> Homo sapiens

734

<220>
 <221> misc feature
 <222> (136)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (445)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (474)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (506)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (515)
 <223> n equals a,t,g, or c

<400> 1149
 gagaggaaaa ggaatgaaga aaaatgaata gatcttcaga tacctgtgag acaccctcaa 60
 gtgtgccaat gtatacctaa cgggaggtccc agaagacagg agagaaaaaa agaaagaaat 120
 aaaaagaata tttganttta aaattgcttg aaaatgtctc aaatttgatg aaaaatatta 180
 ctctgcacat tcaacccatg aactataagt tgtataaaat caaaaagttt cacaccaagg 240
 cgtgtcatag ccaaactgtc aaaagccaaa gacacagaat cttgaaagca gtgagagcaa 300
 agcagacaag ggatcccca taggattaac agcagatttc tcatccagaa gccatgcaag 360
 cccagaaaagg ctatgggaga catactccaa aatgctgaaa taaaaactgt ccaacaaaca 420
 tttccccatc cccagcaaaa atccnaaaac aaaggaaaat cttgttgcat gttnaacctg 480
 aataaaattg gtttccccgc cggtingttt ggatnaaatt ttccccccct taatgttcca 540

<210> 1150
 <211> 1481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (14)
 <223> n equals a,t,g, or c

<400> 1150
 agaggcttgg cttngaaaca tccggggaga gttgggcagg ctgctcttta tggatgtggc 60
 tgctgggctg aaaatactgg agctcataac ccctactcca cagctgtgag tacctcagga 120
 tgtggagagc atcttgtgcg caccatactg gctagagaat gttcacatgc tttacaagct 180

735

```

gaggatgctc accaagccct gttggagact atgcaaaaca agtttatcag ttcacctttc 240
cttgccagtg aagatggcgt gcttggcgga gtgattgtcc tccgttcag cagatgttct 300
gccgagcctg actcctccca aaataagcag acacttctag tggaatttct gtggagccac 360
acgacggaga gcatgtgtgt cggatatatg tcagcccagg atgggaaagc caagactcac 420
atttcaagac ttctctctgg tgcggtggca ggacagtctg tggcaatcga aggtgggggtg 480
tgccgcctgg agagcccagt gaactgaccc ttcaggctga gtgtgaagcg tctcagaggc 540
atttcagaac ctgagctttt ggggggtttt aactgaagtt ggttgtttta tctttcttgt 600
tttataattc ctattgcaac ctcgtgcact gctcgagaca caagtgctgc tgtagtttagc 660
gcttagtgac acgcgggcct ttggtgggtg agcgggactg tgtgtgagtg tgtgcgcgta 720
tgtgcgcaca tatgtgtatg tgtggagtat gtgtgtttgc ttctccgtgg atgaaataga 780
aactcctcat tgtgtgacca ggaatggtta aatcatcttt acaaaatgtg tgctttaact 840
gtttacaagt aaaacctaaa gttgcaggaa acatttttta tttcgtaaag aggtaccaac 900
tgtcgctgat gtgatatgtc agaactgaag agtaaatacta cttgtttaaa tgacttgaca 960
gtggtagtgc tccatttaaat aacagtaata agtaataaag tgtttttatt tggttaacca 1020
gtttaagtgg atcctgtggt aacttaaaact gktgktctca tcccytatat ggggcatttt 1080
tctttaacaa agaatggttt cagtgaacaa atctagcaga gaattaatgt cagaaccttt 1140
ttaaataata gtctgattga tacagtttgt acttatttca tcaagctttt ctaagcttaa 1200
atattgcata gcttcgagct gtatggacta tattatgaaa gaatatgtaa agagaacata 1260
cagtaatgca cagtccttaa tttgtgtata atggaaagtt atttacaata taacactgta 1320
aataagaaaag caaagtttat gggaaaattc aatattatct ttgtttttgt ttaaataatat 1380
ttttaagata aaggcmcaaa aataaaaagaa gcgtattact gggatatagta tgtgactcct 1440
cttctcagac taataaatta tcttttgaat ccttaaaaaa a 1481

```

<210> 1151

<211> 1092

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1083)

<223> n equals a,t,g, or c

<400> 1151

```

ctttaatttt gagtttaaac ccaagtttat tggcagactc ccttttgacc tccctttgcc 60
tccccatctg gtgcttttctt gcatctacac cccagggccc tgtggtgggg ctgcaggggg 120
aagctgtgca cctgagatga ggctggaacg ggaattggcc tctctgctcc cttcttcagt 180
aagcaaggag ccccgccctt caggcccagc ctctgnmaag aggtggtgga atccttgtgc 240
cgggtagtag aggaggataa gggcaaaacc agggcccaggc cagtgcctgc ttggtctgga 300
tgggacactg tcagagtttg gccacagcct gtccctttact tcatccacac ctatgaagct 360
attccctaaa taaggcattt cccaagtttag tcgctaccta atcagccttg agaagaatcc 420
tttctcttct tttgatagtg ggtcggggga ttcttcagga atggttttgga gctgggagtg 480
ggtagggggga ttttaaatgt tccatatggg agcccaaaag gaactggatg ggctgcagtg 540
aggtggggggc ggggtgggcag ggaatgggag aggggaagtc ttggcagggg aatccctttt 600
ggccacacag tttaaaaacc cagtatcatg tctgtctgtg tgtctctcaa ggtgagagtc 660
tgattttttat accaaagagag aatgattttt ttttcatatt ttgtttgtct atattatata 720

```


736

```

aatatatata tacagttata tatatatata tattatTTTT tggttctctc tcgtttttta 780
gggaggggaag aaagtaccaa gttgcattga gctgtaatta aggaacatta taatttatga 840
cacatttcta tacttgcaaa aattatatca ttttatggat ataagagaaa aatgcctttt 900
tataaaatTT caatttctga raagtgtgta atttgtctct tttctgatgt ttaaccaaga 960
ctggtggtga aagtaaagac agaaactgtc tcttaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aangggcggc cg 1092

```

<210> 1152

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<400> 1152

```

gcggcagtga gcattctggg tctttgatga tggatgagtc ttcacttgta aatttaaagc 60
catatgtatt aacttagttt ccttccaggc atttagtatt agtgaatatc acatacggct 120
ttataatgct ccaataacag atgcctagtt gcactttgat ttaatatatg ctgggagaaa 180
agatatatga gaatttctact ataatttttt gcctagataa taggtcagaa gggttctatc 240
ccacctggaa ggtaaaagga ttgggtctta ctgatttctt gnacttctct ctggatttta 300
tgaagtctat gctatctttt tcccagaagc attaagtttg aagactcaat caccaagtgc 360
aatcaaagct accttyctc cccccaaaat taaatagaca tktttaaaca cacatacaca 420
tttcaagatc aacagarttc ccttttgagc atggaaatat agccattgct aaattacgtt 480
actggactga actccaggta ttaatttcag tgggaaaatt aagaaatggg agga 534

```

<210> 1153

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<400> 1153

```

gntttcaccc ccgccgcctc tacaagatgc nggggccact taaactacgc ggaggacgcc 60

```

737

```

cagctcaccg cccaggccat tggccaggcc ttcgccgccg cctacagcca gttcctacgg 120
gaaagcggta ttgaccccag ccagggtggc gtgcacccga gccaggcgc ctgccacctc 180
cataatgggg acctggacca cttctccaac agtgacaatg ccgggagggtg cacctcgaga 240
agcggcgagg ggagggcctg ggcgtggccc tgggtggagtc gggctggggc tccctgctgc 300
ccacagccgt catcgccaac ctgctgcacg gggggcctgy tgagcgytcg gggggcctca 360
gcacggggga ccccttgacc ggcataaaag gggaccagcc t 401

```

<210> 1154

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1092)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1094)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1101)

<223> n equals a,t,g, or c

<400> 1154

```

ctgacctcgg gtgatctgcc tgccttggcc tcccaaagtg ctgggattgc aggtgcaggc 60
caccacaccc ggccttgggc cactgttttc aaagtgaatt gtttgttgta tcgagtcctt 120
aagtatggat atatatgtga ccctaattaa gaactaccag attggatcaa ctaatcatgt 180
cagcaatgta aataacttta tttttcatat tcaaaataaa aactttcttt tatttctggc 240
ccctttataa ccagcatctt tttgctttaa aaaatgacct ggctttgtat ttttttagtc 300
ttaaacataa taaaaatatt tttgttctaa tttgctttca tgagtgaaga ttattgacat 360
cgttggtaaa ttctagratt ttgattttgt tttttaattt gaagaaaatc tttgctatta 420
ttattttttc caagtggctt ggcattttta gaatttagtc taataacgta acttctaaat 480
ttgtcataat tggcatgttt aatagcatat caaaaaacat ttttaagcctg tggattcata 540
gacaaagcaa tgagaaacat tagtaaaata taaatggata ttcttgatgc atttaggaag 600
ctctcaattg tctcttgcat agttcaagga atgttttctg aattttttta atgctttttt 660
tttttttgaa agaggaaaac atacattttt aaatgtgatt atctaatttt tacaacactg 720
ggctattagg aataactttt taaaaattac tgttctgtat aaatatttga aattcaagta 780
cagaaaatat ctgaaacaaa aagcattggt gyttggccat gatacaagtg cactgtggca 840
gtgccgcttg ctcaggaccc agccctgcag cccttctgtg tgtgctccct cgttaagttc 900
atttgcgtgt attacacaca caggccttcc tgtctggctg ttagaaaagc cgggcttcca 960
aagcactgtt gaacacagga ttctgttggt agtgtggatg ttcaatgagt tgtattttta 1020
atatcaaaga ttattaaata aagataatgt ttgcttttct aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa ananaaaaaa naaaaaa 1107

```

<210> 1155

<211> 619

<212> DNA

738

<213> Homo sapiens

<220>

<221> misc feature

<222> (563)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (615)

<223> n equals a,t,g, or c

<400> 1155

```

atctttccat atttactgag tttaaagtga tcatctcaga gagaaaagaa aaactaaata 60
trgaaaagtg catggcagaa gctgaaatga gctcaagcag tactaacctt ggaaccattc 120
tgggtaccca aaagaaaaat ttaaaatcaa gatgagtaaa aggagaatgg tctcaatata 180
ctcaaaaatg cagtaagaga agtaattccc cactgaaaat gtctctcttt ctttctatgt 240
tataccctgg agtcctgggt gaggggtggg ggaatcagaa aagtaggttt acatttaaca 300
tttttcttaa ctacattcac ttcttaaaaa ggaacaagaa gtgtaaataa gtatgtatag 360
agtgagggat taagcatatt tgcattgggg actcgtgtat tatgctttta agtcaaaatt 420
aatattctca aattcgaatt tgatagctat tatttctaaa tctttttaat cctcaatttt 480
cctggttaacc ttctttcaag agtctccttc ttctaaaagt tgccaaaccc tttatatatta 540
agcttttttc actcaggact canttagagt ggcaacaggg aaagggatgg tcccatntga 600
actttgccac tgacnaaac                                     619

```

<210> 1156

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<400> 1156

```

aattcggcac gagcaaagaa gctgctaaca gatggactga taacatattc gcaataaaat 60
cttggggtac ttattttnct tggcgatatt cttccacaac ttgcggatca cagtctttgt 120
ggaagaaata cgccaagcaa ataaagtagc caaagaagct gctaacagat ggactgataa 180
catattcgca ataaaatctt gggccaaaag aaaatttggg tttgaagaaa ataaaattga 240
tagaactttt ggaattccag aagactttga ctacatagac taaaatattc catggtgggtg 300
aaggatgtac aagcttgtga atatgtaaat tttaaactat tatctaacta agtgtactga 360
attgtcgttt gcctgttaact gtgtttatca ttttattaat gttaaataaa gtgtaaaatg 420
cagatgttct tcccccttt tggtagaaca aaagcaggat gataaccata tccccccagt 480
gctcatcaaa gtaggacact aaaaatccat ccatctcagt caaagtcgag c 531

```

739

<210> 1157
 <211> 826
 <212> DNA
 <213> Homo sapiens

<400> 1157
 ggggtcgaccc acgcgtgtgg cactcggcgg tcgaaagggg agttcaagga gacgggggcg 60
 acgcggctga gggcttctcg tcgggggtcgg ggctgcagcc gtcatgccgg ggatagtgga 120
 gctgcccact ctagaggagc tgaaagtaga tgagggtgaaa attagtctcg ctgtgcttaa 180
 agctgcggcc catcactatg gagctcaatg tgataagccc aacaaggart ttatgctctg 240
 ccgctgggaa gagaaagatc cgaggcgggtg tttagaggaa ggcaaactgg tcaacaagtg 300
 tgctttggac ttcttttaggc agataaaacg tcaactgtgca gagcctttta cagaatattg 360
 gacttgcaat gattatactg gccagcagtt atttcgtcac tgtcgcaaac agcaggcaaa 420
 gtttgacgag tgtgtgctgg acaaactggg ctgggtgcgg cctgacctgg gagaactgtc 480
 aaaggtcacc aaagtgaana cagatcgacc tttaccggag aatccctatc actcaagacc 540
 aagaccgat cccagccctg agatcgaggg agatctgcag cctgccacac atggcagccg 600
 cttttatttc tggaccaagt aaagatgggt ccgtggccca cactcgggtca tgtgctcaga 660
 caacgactga tgaaaacgcc catgcggttt gcactgactg atagtgtgtt ctttccggga 720
 tcacaaacat taacaaaaaa gttaacttat gtgacttggc agttattcta taccatttcc 780
 tgtccattaa aattttttaa ggaaaaaaa aaaaaaaa aaaaaa 826

<210> 1158
 <211> 614
 <212> DNA
 <213> Homo sapiens

<400> 1158
 ggccctcttca cgcgtttccc gaggcggggc gcacgacctt gcgggtcccc gcccacgaca 60
 ccccccggggc cggcgagtg cagctgctgc tctcggactg cccccagac cgcctgcgcc 120
 gcttctctcg cacattgccg ctcaagctgg ctgcggcccc gggtcccggc cggcactccg 180
 cccgagcgca cgtgctgggc ccgcggccgc gatcttcgtc accatcagcc ctgtgcagcc 240
 cgaggagcgg cggctcaggg cggccacccg ggttcggac actacgctgg tgaagcggcc 300
 tgtggagccc caggctgggc cgagcctagc acagaagccc caaggtggcc cctgcctgtg 360
 aagaggctga gcttgccctc caccaagcca cagctttctg aggaacaggc tgctgtgctg 420
 agggccgtcc tgaaagccag agcatcttct tcaactggag tgcaggaaca gggagtcac 480
 atctgctaaa gcgaatcctg ggctcactgc cccccacagg cactgtggcc actgccagca 540
 ctggggtkgc agcctgccac atcgggggca ccaccctcca tgcctttgca ggtaagtagg 600
 aacccttagg gctt 614

<210> 1159
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

740

<222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (62)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (111)
 <223> n equals a,t,g, or c

<400> 1159
 gcancagtga caccnaaccc tcaactaaagg gaacaaaagc tggagctcca ccgcggtgca 60
 gnccgctcta gaactagtgg atcccccggg ctgcaggaat tcggcacgag ngagagaact 120
 agtttcgagt ttttyttttt wttttttttca tgggtaacaa cgtttattaa aatctggcca 180
 ttttctacat ctcaaagagg agataaccca ccagaggctt aggtaacata attgtgttta 240
 acgtaaatat acacagatac caataggcgg ttaagccatg ggacagggcc gcagatggag 300
 actgctcaag gtcaaagggg tctccagctg ggaccctgca cctggttcgt agcccctctg 360
 cagacgcaca gtgcctcacg cctgctgcaa cctggaacct tgaggccttc atgtcagtgc 420
 aggacaagag tcatgtctgt ccatagattg gggctggaaa ggactttctg cactggagc 480
 ttcgattgtg agcatgcac cccgccaaaca gctgtgtctc cctttgaacc aagtctgggt 540
 cctccaagca agcggkcggt cattccaaag agggcctgat cccagacagt taac 594

<210> 1160
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (350)
 <223> n equals a,t,g, or c

<400> 1160
 aggaactctg gtctccttgc ctagtgcttt tcaaaactct gtgctacaca ggagtggatc 60
 caggcctgaa ggtcatacaa ttctggggac tctctttaag aaaaagaatt ctaaaatata 120
 ttacttttgc aaacattayg aaaatatact gccacattaa tatgttgcta gggcccctgc 180
 taggacctta agaaggagct catgtgagtc aggaccctga atgttaggcc tcgttagctc 240
 tatggttcat atgcttcttg aaccaagtca cagggcactt cccagccaca ttgccaggca 300
 acaggactaa actacctcca aagcaagcan tcttttcagt tttgactgan tgatgttga 359

<210> 1161
 <211> 633
 <212> DNA

741

<213> Homo sapiens

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (606)

<223> n equals a,t,g, or c

<400> 1161

```

ttcctttttt tttttctcca gatccacgt ttcgctcttg ttgcccacag ctacttactt 60
cattcccat gggtcacgtc attcatccac attaaccaat ttcctcactc caagctcttt 120
tctagagata atctccagtc cctgtgcaga aactgtcatt gcactttctg ctgaaatggc 180
agtttcttct cagcaagggtg agattatgga atccagaatc ttttttcagg ggtcacatgc 240
ccatttcccc acttgcacga atgtcgacac tgcagccaca gttttggccg taaatgtgaa 300
tttggaagt aaccactgtt cccagggaaa tgtcccaatc agaagaagat tatctgggac 360
actgatactg acagggagat gggacattct gagggaccgc gaggcagggt gccacctcct 420
caacttccct gagggctgcc taggaatctg tttcctcttc attctggaat tattcttctt 480
ctttatgggc tgacaaaaaa catgggaacc ttcacaaagt ccactgttaa cagcttttwt 540
ttttgtggar gtkgarggac atggaggacg tttttaaggc caaagtttat ttngagttgg 600
ggacantttt gtggtttttt ttttttgagg aag 633

```

<210> 1162

<211> 1422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1421)

<223> n equals a,t,g, or c

<400> 1162

```

aattcggtt tcgagcgggc gcccgggcag gtactttctt actgagccct ctattttctt 60
tattttaata atatttctcc ccacttgaga atcacttggt agttcttggg aggaattcag 120
ttgggcaatg ataactttta tgggcaaaaa cattctatta tagtgaacaa atgaaaataa 180
cagcgtatit tcaatatttt cttattcctt aaattccact cttttaacac tatgcttaac 240
cacttaatgt gatgaaatat tcctaaaagt taaatgacta ttaaagcata tattgttgca 300
tgtatatatt aagtagccga tactctaaat aaaaatacca ctgttacaga taaatggggc 360
ctttaaaaa atgaaaaaca aacttgtgaa aatgtataaa agatgcatct gttgtttcaa 420
atggcactgt cttyttttca gtactacaaa aacagaataa ttttgaagtt ttagaataaa 480
tgtaatatat ttactataat tctaaatgtt taaatgcttt tctaaaaatg caaaactatg 540
atgtytagtt gctttatitit acctctatgt gattatitit ctttaattgtt attttttata 600
atcattatit ttctgaacca ttcttctggc ctcagaagta ggactgaatt ctactattgc 660
taggtgtgag aaagtgtgtg tgagaacctt agagcagtggt agatttgcta cctgggtctgt 720
gttttgagaa gtgcccccta gaaagttaaa agaattgtag aaagatactc agtcttaatc 780
ctatgcaaaa aaaaaaaatc aagtaattgt tttcctatga ggaaaaataac catgagctgt 840
atcatgtctac ttagctttta tgtaaatatt tcttatgtct cctctattaa gagtatitaa 900

```

742

```

aatcatatatt aaatatgaat ctattcatgc taacattatt tttcaaaaca tacatggaaa 960
tttagccagc attgtctaca tataagggtt ttatttgaat tgtaaaatat ttaaaagtat 1020
gaataaaata tatttatagg tatttatcag agatgattat tttgtgctac atacagggtg 1080
gctaattgagc tctagtgtta aactacctga ttaatttctt ataaagcagc ataaccttgg 1140
cttgattaag gaattctact ttcaaaaatt aatctgataa tagtaacaag gtatattata 1200
ctttcattac aatcaaatta tagaaattac ttgtgtaaaa gggcttcaag aatatatcca 1260
atttttaaat attttaatat atctcctatc tgataactta attcttctaa attaccactt 1320
gccattaagc tatttcataa taaattctgt acagtttccc ccaaaaaaag rgrtttattt 1380
atgraatatt taaagkttcy aatgkgggtw ttttaataagg nt 1422

```

<210> 1163

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 1163

```

ggttatacct tggcggacgt gntctgcaaa ctrggagaaw gatttgcact ayctaamcct 60
rracaccygg acttgggtctg gaaggattac tattaatgga gaaagcccaa aacatcggtc 120
atggcatact ttaacaccta tagctgatga taaacttttc ctatgtggtg gactaagtgc 180
agataatatc ccattaagtg atgggttgat tcataatgtc acaacaaatt gttggaaaca 240
acttacacat ttacctaaaa caagacctag gttatggcac acagcctgtt tgggaaaaga 300
aaatgaaata atgggtatttg gtgggagcaa agatgactta cttgccttgg atacagggtca 360
ctgtaatgat ttattgatct ttcaaacaca gccttattca ctactcaggt catgccttga 420
ctgcattggg aaaaattcta tcatgttaga aagtcagata tctttattac ctctaaact 480
tctgcaanaa gtactcaaaa aaaaaaaaaa aaa 513

```

<210> 1164

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

743

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<400> 1164
gggtcccaagg ggtttacccg naatgtgaaa gcccacnagt gaatgaaacc tcaaattgnc 60
ccctgtatgg cctnaagaag cccccaagtt ccccgatggg tcccaagtgg gcaagtgtaa 120
ttggaatggg gccccnccg atgccaaatg gagaatgcca aactgcccag gacaaatcca 180
gatgaagaaa gaaactgtga agtgcccttg tttaaattgg atcagttccc gctgtgcccc 240
atgggtcagtg catttggaag cacaagaagt gtgatcataa tgtggattgc agtgacaagt 300
cagatgaact ggattgttat ccgactgaag aaccagcacc acaggccacc aatacagttg 360
gttctgttat tggcgtaatt gtcaccattt ttgtgtctgg aactgtatcc tttatctgcc 420
agaggatgtt gtgtccacgt atgaaggagg atgggggaaac tatgactaat gactatgtag 480
ttcatggacc agcttctgtg cctcttggtt atgtgccaca cccaagttct ttgtcaggat 540
ctcttncang aatgtctcga ggtaaataca tgatcan 577

<210> 1165
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

744

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<400> 1165

```

cttttttntt tttttttttt tttttttttt tttttttttt tttttttatg taaactatca 60
aatgtttatt taaatttcca tttaaaatat tttcaagtaa aatatgtaca aaaatgggta 120
taaaatgggt gaagcaacta gaagcgtgac aggtataata catataaata caaccaaaat 180
tcaattcaat gcaaagttga atgacatcat attgcaccaa aattttattcc atacaaaagc 240
acatgcatca agagtttcca taagatgaaa acaaacacac ttacttcata gcattcttacc 300
acttacttac acaaatagcc cataaacacc atctggcatt gtgattgcag taccagaact 360
ctccccagag ggrraactcat ttagctatag aagantccat tttatttcac atatcacatg 420
cttgtgcagg catcagtggt aggaacctta agaaacaacg caatccacag atgaaagtct 480
ctctgcacca tttatatytt catagataaa tatcttagtt ctaatatgat tggaatgtgg 540
atgcagaaat aaaatgcagt tttgctcttt aagaatttta tcaatgtaag acattgtatt 600
aaatttgtat aaaatacaca caatccccct tactaagttt catgatcaca gtgccagagt 660
gaagc                                         665

```

<210> 1166

<211> 1077

<212> DNA

<213> Homo sapiens

<400> 1166

```

acagaaaagta acaaagagga atgagccagg agaacaaact aattccttta aataaataaa 60
waaaaaaaaat gcaaatgtcc ttcaccagta aagcaagcaa attttttaaaa tctctgtttt 120
tgaaatctac tcgtcaaaga gttttcagag gcaatgaaag gggaacagat ttttcattgt 180
aatagtggaa gttgtgtgat agttaggaga tatcaacatg catttttaat cttttcctta 240
gatgaaagag atggcttttg gcagtgtgtt ctaaccagaa agaaaggatt tgtattactc 300
tccaaatcta ctgtactgtc agcttcactc cacctgagaa aaaagaaaaa aaaattgata 360
gctcaaatgc atgtaattca taaacactgc aaaggagagc cacttggtgt ctgcagtcct 420
catattaaca gtctgtcaca gaatgcagtt aaagtattga ttggcatatg gtaatagagc 480
aaccatagcc ttaacttaca gacctgtgaa ataaagggca ttttgaccta atacaattaa 540
ttttctggat aactcttaaa gagaagtcac ttttaactgtt tttgctactc catatattgt 600
cattcaaaat atattttaac ccaaaataag ttaaataatt tgtgcatgtt tgtgtgtgta 660
tatatgcata cactttttta tattaaaatt ttgaggctat acagccactg tgccctgtgg 720
aataaagcca tatatataaa tgttttatat gtatatgttt tatacatawa taaaacattt 780
catctaatat atatatgtgt gygtgagtat atgtgtgcat gtttagcaga tatttgtata 840
aaatataaac actctgttgt catatwggct atatgcgaaa ttgttaattt taaaataacc 900
tcaggccaca gacttgtagt aatcatttga aggcctcacc tagtgtcccc ttggtgacgt 960
atgcagcagc tcaaatataa cctttgtgca ttgggttatg aataatcttt tcttccaaag 1020
atggcaaaaag cctcggtttg atttgatact aaagaataaa tttctctgac tttcaaa 1077

```

<210> 1167

<211> 1177

<212> DNA

<213> Homo sapiens

<400> 1167

745

```

ggcagagctg acgttcccc cagcttagac cctgagtcgt tttccccgt tccccggctg 60
aattagggtt ttcttctcca caggtgtgtg cagtggcctc agggatccgg aaagtctagg 120
actgaacttc tcctaacatc cagtaatggg gacctggaac ctggggcgta tagagtgccg 180
cgcgtagggc tccaggtcgc tggcttctgc gctttcttcc tctccaaagt tgagtatctc 240
ctatctgtgt cctcatacat actgccgcct gaggtgccat ggcccccaag ccggggggccg 300
agtggagcac agccctgtcc catctgggtg tgggagtggt gtctctgcac gcagccgtga 360
gcacagccga ggcaagtcga ggggctgctg ctggcttcc tctccaggtc ttggctgcca 420
ccaccacgct ggccccaggg ctgagcacac atgaagactg ccttgctgga gcctgggtgg 480
ccaccgtcat cggccttccc ctcttgacct tgcatttcca ctgggtgaat ggggaccgct 540
cctctgccaa cctgctcctg ggaggaggca tgggtgctggc agtggctggc ggccacctcg 600
gccctgaggc cktctgtggc tggtcaggca atgctgttgg tggtcgcagt gaccatctc 660
attgtagctg tcttcacggc caacacttat gggatgtggg ggggggcgat gctgggtgtg 720
gcaggcctcc tgagccggct ggaggaggac aggtctgtgc tgctaccgaa ggaggatgtc 780
tgtcgtggg ccttggtgtg aggcagctgg gcttactgcc gggccctgca tacacagcgc 840
ctccagtggg agtgacagtt ggatacagcc aggcagggtt tctgccctgc cgaacacttt 900
ccctccacc tgccctgtcc tggcgccctc tccctagggg tagactcttc tgcctactga 960
agtgggtttg ctgcacattg actggtcagg ggcagagtct ggggtgctgtc ctttggccac 1020
gtgtggggac ttgtctagac cagaatgaaa gggacagggt cccagacacg tttgggggtc 1080
ctgattctgg gctggacacg gttgtggatc cagagaagag gcctagtctc caataaatct 1140
taggaatttt gcaggaawaa aaaaaaaaaa aagtttt 1177

```

<210> 1168

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1168

```

gtttaaatga gaacctaatg atacctggac aaacttctgg agaaattatc aaattgctaa 60
catgccatgt gaaatccttg aacactatta agataattac aggagattga tgtgtttgcc 120
ttagtttaaa atcttaatta gcattgacac caaaagcaac atccctatgt taaaaacaca 180
atgtgaatac tattttatta ttaccatgga accttgacct ttctttcctt cacctatagc 240
tcaatccttg tcttcttcca gtcccagggc tctttatcac aaccatcatt ttgattttac 300
actggattta catgatacct tttactgaag tgcttaaadc taggaaagaa taaatttcta 360
ttgactagga gtcagaaact tagggtagaa tgatggagca ttgttttata acaggrgcag 420
tttccagctt ggattcaaaa tactgattaa aaaaatttgt tttctattat gattggatct 480
gtactttcta acgccaataa ttttaatcca gatacttttt atcttgatcc cacgcttgcc 540
ctttaacctt taccagaaat tcagagaaac agagtacata tttcgccaca caatggatcat 600
cctcactgaa tactttttatc cagaggtcta caaactatga ccctccagtc aaatcctacc 660
ttgcccttgt ttttgtaaat aaagttttat tggaacat 698

```

<210> 1169

<211> 1408

<212> DNA

<213> Homo sapiens

<400> 1169

```

taaaactatt atcttgtgtg tgtacatttg tgggtggagt ttgtgcgcct gggtttttttg 60
tttgaaaaac actgcgtggg caatgtgggt atggggggga gtgatgcatt tttttctagt 120
cttaaaacta aaaacttgag tctaccatct cttggttgca ctgaaaatac cggccagcct 180
gatgggtgtc ccgtgtgtgc cctccccctt ccttctctcc cgcgtctacc tccccacccc 240
gttctgttcc cctccctccc ttctccctct cctcaaatc cgtgagtttt ggaagcccca 300

```

746

```

gggcctctct cccccgcccc tcctggatga ggccaccatc ccccaaaccg gcttgttttg 360
cagtttcccc aggatcctgg aagctcgcctg gcgctcgagg gtggcgggga cacggggggg 420
tgggtgaagg ttcgttacct tttctagtgc gttctatcat agttaacggg tgcacacttt 480
tttaaaaaaa gtaaattggat ttgccacaat taaatgtcat aacatttatg acagaatata 540
aaatattaac atattttaag ccaagtttta ggtgtatttt ttgaatcttg gttataaacc 600
caattttaaa gggcgatgta tccagcggtg tgaaggcaac agagtgtacc catatttata 660
tttttataaa atacctataa gactgtgaat ctcttggtgt aatggctgag ttaattgaag 720
gategttttg ccccttttta gectcccaga gcttcgagga ctcaattcga acccgaaatc 780
ctgccgtggg ggagggggtg cgtcgagacc tgggcccggg gaggttctcc tgcgtcactt 840
tctgtcctga aaggcgccct tcctgggttc tgtggctcca attttctatg cagccccaca 900
ccccttggtg ttttgatcct gagaaataaa agggaggctg aattattcaa atttaaatga 960
ggtttccctt tcatggaagt gctgctgacc ctctgtgcag aaatggggag cacttgagga 1020
cacagggtgg tggaggccct ttgtgctggt ctggctgcat tcgggcagcc ctccgtcgtt 1080
ttttataaaa ctttgtgtga gaagaatata ttgataatgt cagtgaaca agcagacatt 1140
gaaatggagg cacagattac tccacaagga gttcttctgt atattttttc tagatgcaaa 1200
taccttttta attatgttaa ttaatgttaa gactttctag gcttatatcg aagctgtgtg 1260
tgggtcacgg ggtgatcact gctaactgga taaagtttgt gcagcacatt cctgagtgtg 1320
cgatattgac ctgtagccca gcgtgaaaaa tttataaata aatttttcat tgatcttttt 1380
atattaaaaa aaaaaaaaaa aaaaaaaaaa 1408

```

<210> 1170

<211> 824

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<400> 1170

```

ggcacgagcc cccacccaag ggacagagtg caaggacatg atcgaacaga aaaagttctg 60
gtacaagatc aaccccgtag ggtgggtgagt gctgcagccc cgggcctcac atcctgccgt 120
ccctgtggga gnattggagc ggtcccagtg cccaccgctg attctytggc tccagcaacc 180
cctccagggt gatccgtccc acgcagcctg gcctgaaaca ctgcccagcc actgggtcca 240
gtaagacaga gcctcgagtc attctgccga gaggatccag aaacacagac tttttctggg 300
gtcctggagg cttctggccc atggggagcc cctgggtccc agcgatccag ccctgatgtg 360
ctgaggggtg agggcccagc tgcagagcag aggagagtgg ccccaggga ccagcagcac 420
gaaaggcaca ctgaggcaca ctggcaggcc tgggctgcag agagcctgaa ggtcatgggg 480
tagctgrtgg aagcaggaag accccataca gcagcgacca ctgaggctgg tgctgcactt 540
tctcaggga ttgagtgtgg gctcccacca tcccgcgcac tggcttcttc caaagcctcc 600
tcctcttaca tcagcaaacc ttctgttcgg tgaccccttc agtgaccctc tgtgcttgcc 660
ttcgtgggtc tcctcatgga ggatttcggg tcagcgtggg ggtcagaggt catttcccat 720
acccctcaa aggtacttct tgcttgggtc ccacactctg acaccctctt ctgaaatgaa 780
cacttttttg ttgttgttgt tgagacagag tgagacgcca tctg 824

```

<210> 1171

<211> 595

<212> DNA

<213> Homo sapiens

747

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<400> 1171
agcaactaac ttcttggttag tgatcttaca ttgctcagca agtatagcat tattgcaaga 60
tttacagaat tcagggtcttt aaaagtttat attttatttc catatgtaga taagcttggtc 120
agtttactgt tggagtatca taaagttttt gttaaaatta cacaggttat taagtaaatt 180
tccaaggata aaaattatgt ttctaattaa cttegaatttt taagtaactg atgcccccat 240
gtggcacaagg atttattttt cttttgctta aacttgagaga atgactgtct tttcattttt 300
ctttaaaaaa gtggacatta gtgtttataa agaagctgtt gaccaagaga cataatttga 360
attttgtaaa gtcatttgcc ataaaattca cagcccccta cctgtattg tctcacaagt 420
gcatgtaatc aagcacgtac aatgagacaa aatattggaa gctatttaac tacaatatgc 480
ataggggatt ttctgatctt atatgtgatt tcttaatgtc tttgttttgn ggcttacata 540
ggtgatgtca gttcattgat tatgaatatt ctggatacaa ctctgcata tgata 595

<210> 1172
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 1172
anatcaaccc tcaactaaagg gaacaaaagc tggagctcca ccgcgggtggc ggccgctcta 60
gaactagtgg atcccccggt ctgcaggaat tcggcacgag tgggaacttgg actgttttct 120
gaggatattgc aagcatgaac ttttaaattg ccttggtgtgg tgtgctgtgg gcttctgtga 180
tcatgaagta acatgcattt ttcttaaaaac ttttcagggt ggtagagatt gcagcctgtc 240
actcyrcmca caggtctgca gccaaagacgc aggggtgggca cgtgtacatg tggggccagt 300
gccgggggtca gtccgtgate ctcccgacc tcacccactt ctctgcacc gacgacgtgt 360
ttgcctgctt tgccactccg gccgtctcgt ggcnctcct gtctgtgggt aagaaagtgc 420
agggccactt caccagggga ggaatggtac taccaactga ccagttttcc tgtgtctttg 480
ctggtt 486

<210> 1173
<211> 1109
<212> DNA
<213> Homo sapiens

<400> 1173
aacaagggtt tcaagagaca cctgcctttg cagggtgggg agtccgtkag gagaaggtag 60
ggaggccccg tctccactct ggccccacaa tccctgcccc tgagcaggtg gagcatatga 120

748

```

cccgtcacct gkaggagagt gagaaggcca tgcaggagcg ggtgcagagg ctggaggcgg 180
cgcggtctgtc cctggaggag gagctgagcc gagtgaaagc agcggcactc agcgagcgtk 240
gccaggctga ggaggartg atcaaggcca agagccaggc ccgctggagg agcaacagcg 300
cctggctcac ctggaggaca agctgagact gctggcgagc gcacgggacg aggcgcaggg 360
cgcttgcccta cagcagaagc aggtggtggc cgaggccag acccggtca gccagctggg 420
cctgcaagtt gagggcctgc ggcggcgccct ggaagagctg cagcaggagc tgagcctcaa 480
ggaccaggaa aggggtggccg aggtgagcag ggtgcgcgtg gagctgcagg agcagaacgg 540
ccggctgcag gcggagctgg cggctcagga ggcgctgagg gagaaggcgg cggccctgga 600
gcgccagctg aaagtgatgg cgagcgacca ccgagaggcg ctgctggaca gggagagcga 660
gaacgcgtct ctccgggaga agctgcggtc ccgggaggcg gagatcgccc gcatccggga 720
cgaggaggcc cagaggggca gcttcctgca gaacgccgtc ctggcttacg tgcaggcgctc 780
ccccgtgagg accctgagcc ccccaaagtg agacaggccg ggaggaccgg ggcgcagtag 840
gagtgcacatc ggcgggcgccc gagatggacc aggggctgcg tcccggccgc gccgcctctt 900
tgagaccggg gtgctctgtt ccacgcggcg gttgcggcga ctggttggtg tgcgcggct 960
gcgggggaac cccgtgggag gcgcctggga agggctccct accggccctt tcttccgggt 1020
cgacgccacg tgggagcaca ccgggaaggg gtcccgcggg cgcgtctccc cctcgccttt 1080
tgcgatgtca ccgtgaacgc tgcggccgc 1109

```

<210> 1174

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<400> 1174

```

tctcccctat aggttcatag aaaaaaact cccaccttat aaaggaatct ttaaaagggtt 60
cctcataaag gaacagggtt agcagaacca agttttgagt cctgggtgaa aatccagggg 120
agaatggtaa tcagtataa ccaatggcca atccaatatt aaaattagtt aacagtgacc 180
aatcttattt cacctacccc acccagagtg gcccaaagca gattgctgga tctgcctcta 240
aaccaacctt cctkccaaaa taattggggg taggttgtgt ctgctgattg tctccataat 300
ttgagatttt aacaagttga gtttggtccc caaataacct aaaggatttt ttttttnggc 360
atctctgggg agggggagat tggacgtagg caaccaaaaca ggaatggaat aagaaat 417

```

<210> 1175

<211> 972

<212> DNA

<213> Homo sapiens

<400> 1175

```

aatgttgccct ttgtccaagt atagattaag gcaacaaaca tatttgggtg tgtaatttga 60
agttttggac tgaaatatct ttgcaagtat ccacataaaa ttctgtaatg ccttataatt 120
atattctaata aattatgcat tatactaaga caccattaag aacagttgag gcaactacact 180
aatcaaaccc ataaatgagg aaaaaacttt taatgttctt ttctagaagt gttcaaatag 240
gtcttgatat gaagctaaaa gccttattta tattatctta atatttcggc taaaatgtta 300
agctccataa catgaattga tacaattcca attttatcaa tattytgtga tagaaaaatg 360
ttaatattat tcatgagcta tacagtcctt acattttttc ccttggtgta ggaacaacgg 420
aggagtttct cctctgctaa ctattcatat atgtaactgt aacaaaagtg tactatgtta 480

```

749

```

tgcacacatt acaaataata taaggggaag ttttattagc ttagtaggaa attggttatta 540
ttaagggttta aaaatgagaa caggtgtgag ttttccaaaa tacttaaaaa taatagtgtc 600
aaaaattcag gggcagttaa ggagtcattg atggaactag aggtcactat attaagtgac 660
ataagccaga aacagacaaa cattgcatgt tctcaattat ttgcgggata taaaagtcaa 720
aacaattgaa ctcatggata tagagagtag aaggatgggt actagtggct gggaaaagg 780
gtgtgcgagg ggaactgggg atgcttaatg tgtacaaaaa ctatgtagt agaaagtata 840
aataagacct agtatttgat agcacaaccg ggtgagtata gtcaataata gcttaattgt 900
acaaataact aagagtataa ttggattgtt tgtaacacaa ataaataact gagtggatgg 960
ataaaaaaaaa aa 972

```

<210> 1176

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<400> 1176

```

ctcgagcggg gctgggtgtga aagctgccta accacagccc catctccgcc ctgtgctgct 60
gaggggaccc cggctgccc caggttccag gaggtctgt ctgacttctg gctggccctg 120
gagcagctga ggggccacgc tgccatcgac tacacgcagc tgggcctgcg kttcaagctg 180
caacctggga ggtgctacac aatgtggcgt cggcacagt ccagctgggg ctctggacag 240
aggcggcagc agcctaaggg aggccatgtc caagtggccg gagggtcctt gaatggcctg 300
gactcagccc tggaccaagt gcagagacgg ggctcactgc cgcamggcag ktccccagg 360
cgagktyttc cggccccamc gtggacctga acacttggag cccgtggatt tctggcaagg 420
ccaaggtnng tggcctntgc cat 443

```

<210> 1177

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (587)

<223> n equals a,t,g, or c

<400> 1177

```

ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgagtc tggagacaag 60
ctgaaacttg accagactca tttagagaca gtaattccag caccaggaaa aagaattcta 120
gttttaaatg gaggtacag aggaaatgaa ggtaccctag aatccatcaa tgagaagact 180
ttttcagcta ctatcgatcat tgaaactggc ccttttaaaa gacgcagagt tgaagggaatt 240
caatatgaag acatttctaa acttgcctga gtttgaaaat ttgttaacaa tacattaaaa 300

```

750

```

tcttaaagca tcaaattggt gttcgccaag gcattatgag actctactgt gttaggggtat 360
attcttttgt ataaaacaaa cagggttttg aaaatattac tgtatagtta gttgttcagc 420
taaactttga gaagaattta attatgtctc atgagggtatc aaactatgta attttgcct 480
tgttattttt gtttcctttg taatttactt gatgagttta tatcttcatt aaagaatggt 540
attataaaaa aaaaaaaaaa aaaactcgag ggggggcccc ggtaccncaa t 591

```

```

<210> 1178
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

```

```

<400> 1178
aatntttccn cctgatanga tttcagcaaa ttctgatanc ccgggtatta cttcttaatg 60
cattttttgta acatttgaca aacatctccc aatatgtaga ctcccactct cctgatgcta 120
atcagtatca gacaatggaa gtaaattttc ctgcttttct caacttttcc tcaaattcat 180
gttagtgaa gtttttcatt tggccatcat tatttatcaa ccttaagaaa catgcctatt 240
gacgaagtaa atatactagg aattcaacgt atctacggga atgtggacaa agacatatac 300
caagacaagg cactagagtg aaaagccatt aaaataaaat gctcagcagc aaaggatttg 360
taatgggttaa cttgcaatat rtccatatgg tgtaatatta cagtcattag aaatgacatt 420
tgcgtaagga tctgagtggg aactgatata gcctgtcgga 460

```

```

<210> 1179
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<400> 1179
gagacaacaa aacaaacaca gaaaaaagaa cataataaca gagacaaaat aaaattcaga 60
caacagtawa ctgaasmcat tttaaaaacc agaatatgta gtctacggat attttttatt 120
ataaaaaatga tcttttggtc aacaccccat ttactaaaag tcctcctgcc aggtagttcc 180
cactgatgga aatgtttatg gcaaataatt ttgccttcta ggctgttgct ctaacaaaaa 240

```

751

```

aaaccttaga catatcacac ctaaaatatg ctgcagattt tataattgat tggttactta 300
tttaagaagc aaaacacagc acctttaccc ttagtctcct cacataaatt tcttactata 360
cttttcataa tggtgcatgc atatttcacc taccaaagct gtgctgttaa tgccgtgaaa 420
gtttaacggt tgcgataaac tgccgtaatt ttgatacatc tgtgatttag gtcattaatt 480
tagataaact agctcattat ttccatcttt ggaaaaggaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaa 567

```

<210> 1180

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 1180

```

gcaatccttt cgcattctggg cagttccaaa ctagaattct tgccctgccct gcctcccatg 60
gaatgccctt accctactgc caatgtgatc tttctgaaac agcataacctg atattgtcat 120
tcccaggagc agcttccac ctccctcagg atttaacctt taaactctac agctctccac 180
actcacctca acaatgagct cctctcatca tttcttctcc tttgtcccag tcacaggcca 240
cttttggggc atgscaaacc actttatttc tgaarsttct gccctgract gttkgytcct 300
tgactggggg gctaaggatg actgcagtca tgcaggggnc aggggnaag 349

```

<210> 1181

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 1181

```

ggcagagcac tgcactccag cctgggtgac aagagcaaga ctccgtctca aaataaataa 60
ataaaaataa aaaataaaca tgatgatcac agatgcagtc acattttctg agttcttgtc 120
tctctgccag tgcccaccca gatagcctca caaaactttg acccagccac tgtagtgctc 180
gccaccgscg ataaaggagc tgagcccagc aggggmactg cctggggccc tgtagccaaa 240
aggctacagc aggagctgat gaccctcatg atgyctggyg ayaagaagaat ttctgctacc 300

```


752

ctgaaagcct tatcaaattg acaccattca tgaaagcaac tggcacaggg gnatggaaga 360
tctganggat aagctcttg 379

<210> 1182

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1182

gccccaaagtc ctgggattac aggctgagcc accgcgaccg gccctgctgt tgcttctgag 60
gtttgaaaac cgctgcctca atgctcctga ttcagctctt cttacccaaa gggtccccc 120
cctcatctac tctgttccctg cacagtcgcc cttttctctg atgccccggg cagggtttctc 180
tctgccagct ccacgcttct ggagtcctcc atcctgtctg gggcccagct gccactgtc 240
tgggttcaga cttctcaac actccctggc ttctctgcc tagttttgcc ttctccaatc 300
cactcttggt ggggtggaagt acggttacca tggtaacttg aagacaacgc aaatctgatt 360
gtatcattac aatgactggg aaaacctcca gtgccacaaa ata 403

<210> 1183

<211> 417

<212> DNA

<213> Homo sapiens

<400> 1183

gctagattaa atcgtagaat gtgtgccagc aaagcttaaa gtttccaggt tagctgaggg 60
aggccatttg gaaacttggt tctgaactcc aataggagag agaattgttca agcaatgggt 120
cttctgccc a tttccctctg ctttgccatc ccatgggata agggaaccac ctcaggttcc 180
caatccccc atcaatatca cagagtttag agtccaggcc ctccggctaaa attagacccc 240
atagagtttc tagtattaat tggcccatta ttttaatatg aattaatgta attagtctgt 300
agctatgttt atttgtaata tggaggatgc ctgtctgctg tacatacatc tttctaagac 360
agatectaag ctgtgttcaa tttcttttcc agtgtaatac atttctagtc acaggac 417

<210> 1184

<211> 643

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<400> 1184

tgacacgttt aagttgatac cattgtgcc a ttectctttt ggccctctttt ttgtccatag 60
aggcttcaag atagatagggt aagagcccag tagtggtcat aagaagccaa tagagagcag 120
gagccacttt atcagggtggc aggtgtcctg ggccctccctg ctggctagtc ccaagcgggtg 180
gtgttgccag gatgtcttgg aggtgataat gggacacaca gaggcactga gtctccatag 240
gttaaaatgc caccaaaact ggccctttgcc taatatccct cattgactat ttrgcattta 300
atttatattat tttcctgaca tttctgcaag ctttgtatatt atatttccac tttatagatg 360
aggaaatttg aggtctcttag aggtaaaatg acttgcccag gtcacacagg aagtggcaga 420
gacaagcttt ttaaataaga aaaaattaat aaaatataat atgagagtaa cttaaaatat 480
taataaacca caatttttaa ttaattaacc gtgataacca acattaataa aagttaagat 540

753

accaaaacac tgggtgtctaa ttctttcaac taacaacttg aattattttc ccatttttaa 600
ttaattaacc gtgatancca acattaataa aagttaagat acc 643

<210> 1185

<211> 551

<212> DNA

<213> Homo sapiens

<400> 1185

tatataat t aatgcaaagt cttttacatt aatgtaaggg taggaaaaga ggttggagga 60
agatatggg aggtaggaaa atgggacttt ttctctccat ttacttttga tgtttgaatt 120
tcaaacatga gtatatttgt gtattat ttt gcggttaaaa aactgaaga ttgcataaag 180
atcaaagagg gaaatttaag ggaattaatg ggttatgatt gcatttggtc agaatgggtt 240
tgggtggctca tgacaacatt ttgagagaga gagattttta tggcaccaat ggcagctagg 300
ataactagtt taaagtttag ggcctgtgtt aatagatttt gctttctagt ttcagaaaga 360
ttctcttata gtactgtttt aatctgtttt tctaagccct ctgatttatg tatattta 420
aggccacaaa ataatgtcaa atatatggca taataaccaa caaatatttg aataagtga 480
agggtactcta caaaatgcta tgggaaagac aaaaataaat aatatccctt tctttgaggg 540
attaacagtg a 551

<210> 1186

<211> 567

<212> DNA

<213> Homo sapiens

<400> 1186

aacacactat aaactttcaa ggagagaggg tgtgtcttct tcatgtttat atctgctaca 60
aactgagtt catggctttt cacacataat tgctcaacag agcaggtgcc atggaaagtc 120
aattcaatga gtaaaattac ctcaaaatag tccgttaatt cactcacctt tgatgtagac 180
agattattct gcattgatac ttatctctta ctcttaaaat tcgctatgta ttaataaata 240
ttttattgaa tattaaggga tgatcactat tttaataaga tgttctttac catatatttc 300
tatatgtaca tgataattag aagtatcaaa ttatattgtg gaatgtaaaa gcttttcttc 360
tgaagccaag catttgtttt attgtcattt cagtggcaaa tatggacttc atattcaaaa 420
tgatgttcta tattat tttt ccttacaagc tttttgaaaa acaattta 480
ttgttgtagc accactgaat tgattctgaa agcttacttt ttaaataaaa attgacctt 540
atcaagcaaa aaaaaaaaaa aaaaaa 567

<210> 1187

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

754

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<400> 1187
ccatctttct ctctgctcta tgagaccctc cccttcctta tttttatctc ttcccacttt 60
atgctgggcc ttccctatcc tgccctgagt tatagttagt cactaacttc tcs gctggct 120
cccaccctta tcacatctca gctacatata taaactctct gttatctaag taattctatt 180
agccagaagc aattccagag tttatattag tactaggaag gtgtcatgta gcccctgtct 240
aacatttgaa ttgaactaaa atgtgaatct caataaaagc aacacagttt tcacagcata 300
tgctgataat ggcaatccaa cttcttttgc cttttcccca gagaatcctg ggaatatact 360
gagcttggtg ctttgatgat tctatttcag ctttggtgcc ttaaaaaaaaa ttacaaatca 420
attttgaatg gtttaagttc atgattttgt tctgcagccc tagctagggg tgagccaagc 480
cttatgaaat ctaaaactcag cctaacagaa tagaaatcta taggcttang ttaaggggtca 540
canggcccca gtccagngtg tgattg 566

<210> 1188
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<400> 1188
ggcagaggtc tttgaggaat tgccaccctg tcttccacga tggttgaact aatttacact 60
cctaccaaca gtgtaaaagt gttccttttt ctccacaacc ttgccagsat ccgttgtttt 120
tttaattttt tattgataac cattcttatt ggtgtgagat ggtatctcat ggtggttttg 180
atttgcattt ctgtaatgat cagtgatgtt gagtttttt catatgattg ctggccacat 240
gtatgtctta ttttcagaag tgtctgttca tgtcgtttgc ccactttgan gagttgtttg 300
tttc 304

<210> 1189
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

755

<400> 1189

```
tgtgtgtaca tcacaaatct gttttcttnt gcttctcttt aaaaatgtnt cctgagtgat 60
ttcatcagca gtgctgttgc taagcctata tttagcaact gaaaatcatg ctcagaaata 120
ctgtcatgct tttttaaaaa rgcatatcca tccctccaca catggctgat tccagaacct 180
tcatgccctt agcaaaaaat tgagctgtcc ttcagggttt caaaaaaagt actgtactcc 240
tgctgcaccc cmggctcttg gcaaggaggg gacttttgtc ctagagaatg ttctttctta 300
tgtattattg caaaacaatt ttgttcttgc atactgaagc atcactggat gaatttcttt 360
cccctgtaga caaaccgagg gtgagtattg ctctttaaat gtcagtaaatt ttgttttagc 420
ttctggggca aaccttgttg tactcattct gtctctccca gcataatatg ttaggttgtc 480
ataaaatagg gcaaattgag gatagtgtaa ctactgctgc tgaataaatg ggaaatagtg 540
```

<210> 1190

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 1190

```
gcttctctaa ctaggaagta tacgtaaagg aggaattgct agggcatggg attggcataa 60
tttcaccttt tctagatatt gcccantcgc tgcccacagt gcacatacct ttccaccagt 120
cacatgtgag agggcagatt ttccaaatgc tcatcaccac ttggcactgt gtggactata 180
at ttgtggcca gttaggaaat ggcattctcat tgttttcatc ttaatttgcg tcagcctgat 240
tactcattga aacttgtgan gttgagaaac ttttcttaag cttattggcc attcaagttt 300
cctcctttat gaaatggttg ttcatgtcat ttgctcattt ttatattana ttgtttttct 360
tttttccagc tkacttgtak gaactctaca tcttatcaat attaatacatt tatcgaaaac 420
tatttgggtg ccattatctt ctcttagtca atgttttttg tttgtggata tctttttataa 480
tatataant 489
```

<210> 1191

<211> 412

<212> DNA

<213> Homo sapiens

756

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 1191

```

tcaggcattg acacttttga agaaaggggg taggggacac agctgggcag gtggagtggg 60
tkggcaggat ggctgtccca gtctgcccac cttctcttgg ctctgggacc agcggcttgt 120
tctagggatt tggacctgga ggccaagggc aataggagag ggtctgaagc ctgtgctgtc 180
tgctgcttgc tgtgaatggc cctcccgggt catgacagag ctcttttggg gcaggagggtg 240
agggcagggg gccccgctcc ttggtaaggg cctgccctgg ggctcccagg gaagtgggag 300
ctggggagcc aatccaccca gacccgcgtc cacttgggag gcatttgggg ttgcaggacc 360
gagacccaca tcctctnact cacttctcca cccgccagca gctgccacag gc 412

```

<210> 1192

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1192

```

gcggccgccc cgcccccgct cccgcmgccg cccgccagtc agtcagtcag tcagtcagtc 60
agtcagtcag tcaactgagcg cgcggcgcgcg gagctgctgg cagtcgctgc gtctctggcg 120
agggagcgcc gcgcctgggg aggaggcgga ggcagcggtt ggaggagcgc gaggcgcggt 180
ttccttgccc ggggcccgcgg gaaggccgac cgactgccgc gatggagcag ctatcagatg 240
aagaaattga tcatggtgct gaagaagaca gtgacaagga agatcaggac ctggacaaaa 300
tgtttggagc ctggcttggg gaactagaca aactcactca gagtttggat tctgacaagc 360
ccatggaacc agtaaaaaga tctcctcttc gccaggaaac aaacatggcc aacttttctt 420
accgcttcty catatacaac ttgaatgaag ctctgaatca gggagagact gtggatctgg 480
atgccttgat ggctgatctt tgctctatag agcaggagct cagcagcatt ggttcaggaa 540
acagtaagcg tcaaatcaca gaaacgaaag ctactcagaa attgsctgkt arccsacata 600
cattgraaca tggcaccttg aaaggattat cttcttcatc taataggata gctaaacctt 660
cccatgccag ctactccttg gacgacgtca ctgcacagtt agaacaggcc tctttgagta 720
tggatgaggg tgctcagcaa tctgtactag aagatactaa acccttagta actaatcagc 780
acagaagaac cgcagtcagc aggcacagtg agtgatgctg aagtacac 828

```

<210> 1193

<211> 280

<212> DNA

<213> Homo sapiens

<400> 1193

```

atttaaaaga caaagtaagt aaaaatactt ttagtaggca ttcgtggatt gtgaacatcc 60
aagttatatt ggtttgtata gaatggcatt aagtaaaaaat tacagctgta taacagtagt 120
tttctaaatt gagagagtcc acattgtaat tagagatcac tgtgaccaa atgcttctcc 180
ttgatttata atgatgkact gtatttttga ctgcttatat gaaatttcag caagattgac 240
gatattataa agatgcttat aaagtgtgaag tggagacgct 280

```

<210> 1194

<211> 393

<212> DNA

757

<213> Homo sapiens

<400> 1194

```

gcattccctt  tgccatcccc  tggactcact  cctcatccta  ttccccaaaa  agtgagaagg  60
gcaggctgtg  tagatggcat  tcctgagaat  gagccagtgg  agagcatctg  gccctggcat  120
gtgaattcaa  gcctttttccc  agctgtaata  accaccctct  tttttccaca  ggggctaaac  180
tgcacgggtca  agaatagtaa  gtcactcttt  tctgttcttc  ttcttggtgc  cttcttaatc  240
aagtgagagc  ctgctgccaa  cttctgacag  aagtcttgcc  atgccactcc  aggttcaggc  300
tgtgagctac  agccatccgc  aggaggggtc  ccggaraaat  tgtggatgcg  ttgcacctgc  360
gcttctgtcg  agaacattca  ttatgcaaaa  ttc                                     393

```

<210> 1195

<211> 937

<212> DNA

<213> Homo sapiens

<400> 1195

```

gatggctggg  ggtgggagtg  taagtccctt  ttcctacttt  catgtaaagt  gccacagggtg  60
tcttggtttg  catattcaaa  tattatatag  gaaaaacagt  ctgttatgta  tttcttcacc  120
tagcttcttg  taatatatat  ggacgtttcc  agtttttgta  ccttcttagc  taaagcagtt  180
gcctttttgt  aatggcaatt  aatttatatg  ataaaacttt  gtatccactg  tagttgacag  240
tattggttgc  taattaactg  ccatattgcc  ctgtctttct  attaaaaaaa  tactgtacct  300
gtacttagag  gctaacagat  tcatgtggac  atttaccagg  caagaccaac  ttgtattgtc  360
catgatttct  acgatttcca  ctatcttcaa  atgaaaaata  aacgctgagt  agaactgatg  420
ttttcagact  aactcctttc  aacttttagc  tttgggagtc  ccagatttct  gtttacgttt  480
gtgtcgcttg  tttgtctcca  aaataagttc  tgctgtctct  gggtcaaaac  aaatgattaa  540
ttcgcatttc  ctttgaaagg  attgtgaaaa  ccttaaaaga  aaaaawaaar  araaaaagca  600
agtatctttt  ccagttgggt  tgtcttcagc  agcaatttac  tcttattgaa  gctgttcctt  660
cggagtgtgt  gaacagactc  aagatattat  tataaagcat  catccttcaa  tcaaaggatt  720
attttataat  atgtgctgtg  aaattaactt  gagtggcaaa  gtttggtgca  atgagttatt  780
tcattcaatg  gtgattgatg  ctgttaagta  atatttttta  gtgactcgag  gaaatactgt  840
gcatttacag  atccatcctt  aaggatgcag  gtctaaaaaa  agagtaagaa  agaaaaatca  900
agtggtagat  agataraara  araraaaaaa  aaaaaaa                                     937

```

<210> 1196

<211> 490

<212> DNA

<213> Homo sapiens

<400> 1196

```

gtacgcctgc  aggtaccggt  ccggaattcc  cgggtcgacc  cacgcgtccg  tttttttttt  60
tttttttttt  tttttttttt  ttttttgttt  tttttttttt  ttttttgttg  tacacaatca  120
tttgttttat  ttgaaaacat  gtctacactg  cattgagcac  caacacagggt  gtgaccaaga  180
aaccacaggt  cctgtccccg  cagcactggg  tccagtgtat  gacttgggggt  ggactgttat  240
ttttcacagt  gaggggggga  aggataggaa  agaaaagatg  gccattatcc  caactcctgt  300
tcaggaatct  gaacaatgaa  agttatttaa  actcatccag  ctcttctcat  tccccctctc  360
tcaatcagct  ggtgttcaaa  tatggaatct  gaggccgagc  gcagtctctg  gtttctttga  420
agaacttttag  gcacactcca  ggctcaggaa  aactgcactc  ctagtctctt  ctgattgcaa  480
tagccttctc                                     490

```

<210> 1197

758

<211> 1511
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<400> 1197
aggaggaacc agaccgcggc cagagcggtc aggaacaaca tggaagactg ctgcgaaccc 60
tgcccatctc tttgctatga ctaaaatgaa ttcccctatg ggnaagaagg catgtggtat 120
gacggggagt ttttatactc attcaccatt gacaattcaa cttactctct cttcccacag 180
gcaaccccat tccagctgcc attgaagaaa tgcgcggtgg tgggaaatgg tgggattctg 240
aagaagagtg gctgtggcgt caaatagatg aagcaaattt tgtcatgcga tgcaatctcc 300
ctcctttgtc aagtgaatac actaaggatg tnggatccaa aagtcagtta gtgacagcta 360
atcccagcat aattcggcaa aggtttcaga accttctgtg gtccagaaaag acatttgtgg 420
acaacatgaa aatytataac cacagttaca tctacatgcc tgccctttct atgaagacrg 480
gaacagagcc atcttgaggg tttattatac actgtcagat gttggtgcca atcaaacagt 540
gctgtttgcc aaccccaact ttctgcgtar ttggaaagtt ctggaaaagt agaggawtcc 600
atgccaagcg cctgtccaca ggactttttc tggtgagcgc acttgsggnt ctctgtgaag 660
aggtggccat ctatggcttc tggcccttct ctgtgaatat gcatgagcag cccatcagcc 720
accactacta tgacaacgtc ttaccctttt ctggcttcca tgccatgccc gaggaatttc 780
tccaactctg gtatcttcat aaaatcggtg cactgagaat gcagctggac ccatgtgaag 840
atacctcact ccagcccact tcctaggaac aatggaagaa gaaaggactg aaccagggtta 900
tttttgtagt gttttctatg tgactccaag agggaaatggt caagtgtgtt catgagtttg 960
catgggcccct tggaaaaaca ggaaaggagc aatgaagatc caagcaaac tttactttca 1020
gcggttggtt ggaggacaaa taagaaatga aacatccat gaaatacttt atagcacatg 1080
gcagatttgc aactagtaaa atgctggtga aatgctgttg gtaaagcaca tggttcaaat 1140
ctagaagatg cagttcaaaa acaagacaga ctcgagttgt tagggctgag gaaccaatca 1200
aggtagaaca aagaaaatgt tggggtaaaa gtgttgctga ttgtcaacac aaactggctt 1260
aataatatta ataagaacct gtcttattaa gactggcttt agaaccgtag gtttttttaa 1320
aaaattatta tttatttttg ccctcttttg ggaagtgggt gggtagattt aaaaaatccc 1380
ttcctgagta ataaagatac aaaatgttac tgctgataat tgtgatttgt tgagccacgt 1440
ctatattaac tatagctccc ctctattttt aaaattttac ataaaaattgc ttcttcctct 1500
tttgtcaagt c 1511

<210> 1198
<211> 743
<212> DNA
<213> Homo sapiens

759

<220>
 <221> misc feature
 <222> (712)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (732)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (735)
 <223> n equals a,t,g, or c

<400> 1198
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 cttcttgctg tgtggccaat attcacgagc acttaaacac ttcttgaaat gccaagctc 120
 ggaagataat gtggcaatag aaatggcaat tgaaactgtt ggtcaggcca aagatgaact 180
 gctgaccaat cagctgatag accatctcct ggggggagaac gatggcatgc ctaaggatgc 240
 caagtacctg ttccgcttgt acatggctct gaagcaatac cgagaagctg cccagactgc 300
 catcatcatt gccagagaag agcagtytgc aggcaactac cggaatgcac acgatgttct 360
 cttcagtatg tatgcagaac tgaaatccca gaagatcaaa attccctccg agatggccac 420
 caacctcatg attctgcaca gctatatact agtaaagatt catgttaaaa atggagatca 480
 catgaaaggg gctcgcagtc tcattcgggt ggccaacaac atcagcaaat ttccatcaca 540
 cattgtaccc atcctgacgt caactgtgat tgagtgtcac agggcaggcc tgaagaactc 600
 tgcttttcagc ttgcagcta tgttgatgag gcctgaatac cgcagcaaaa tagatgccaa 660
 atacaaaaag aagatcgagg gaatggttca ggagacccga tatactttga gntagaagag 720
 gccacgattc cngtnccttt ttg 743

<210> 1199
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 1199
 gagcagggaa actgtgtcct ggcagagatc gtggtcctgg gcacacagga cccctcagca 60
 cactgaggtg gagctggggc gaggggaggg ggtgcgctct gggtaactga aggtgtgaag 120
 sgcccagggc ctgtttctgg gcagtgcagg aagtcccarc cccatgcctg tggtagatc 180
 ccctgtaggg cccccccac catggacact tcggggcctc tacggtcttc caaagctgtg 240
 tcctcatttc cactgcagca gaggggcgtc cccagctccg tcaaacagcc ctttctgttt 300
 ctggagtcct acaagtggag gcccaaatcc gttcccatgt tgaggcaagg ccctggctgt 360
 tccttcctct ctggaaaccg ccttgaactc ttcttttggg acatgcctcc tcgaccagcc 420
 ttgaaggggt gctcctctct cactacctgg aaccaaacac ccccttcctt tgtgtacaag 480
 ggcaataaag agtagacctt catcttcaa 509

<210> 1200
 <211> 266
 <212> DNA
 <213> Homo sapiens

760

<400> 1200

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ggggaggggg atgtaaattt gataaatagg ttggtgaaaa cttatatattt cttgtaaaga 60
gagagaactg agcatgttgt aggtataagg taaaaaggcg tgaagaggaa tatttcgttg 120
ataatgaaag tgagcagcta gggaagaaaa ctcccagagg aagagggagg caaggaaatc 180
aagaacacac ttaaagtttg tcagaagaag gaactttatt tccttaaaca ttcaagaaag 240
atgatgtcat ttcagttatt gattgt 266

```

<210> 1201

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1201

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gttttctaca tatcttgaaa ggcagtgcac aatgacgtgt aattatctag gtggtaaaac 60
tgaaacatac ttctctttcc cttgaatata aaaaagcatt gtggtattag tacttttatc 120
ttggatcatt gttcagaagg aggttcagcc cccagacaac cacattttta ctgtcatgaa 180
tggcaagaca aaatgtagag ctcaacttac ccaaaggaaa aaaggctcaa aagacaaatt 240
atggcacaaac ttagcagcca aattcttacc aagtacagac ttttgacata ctgatctctc 300
tccagtttca agtsggaaca tgcactttga atgatgtcat tcaaaattac cctgcccaga 360
cacacttttc attgattctc ttggagggca gttc 394

```

<210> 1202

<211> 434

<212> DNA

<213> Homo sapiens

<400> 1202

```

caaaaaggcc agaggctcac taggtcagca tcataccaaa cgcctggctt tcaccaggca 60
tcagtgtgct tcasttgaga gtttggtacc atggttaaga tcgagtccat gctaggtaag 120
tcctgttagg aatgtcagtt tgtattccgc ccacgtgaat gatgctgagc ttaatgtatt 180
attttgaggg gcttcttcag agcagttctc actgagcttt ccattaacct acactcttcc 240
ggacggctct taaaacttgc aggacataat gaaattggga agagcagagt gttgaagtct 300
atagcatggc cttctgcttg accctgagtt cctgaattga atgtgggaga cacaggccat 360
acttctctag gcactcacat gtctcccttg gcataaggaa acatgttagt aatatagttt 420
tttagatcca acag 434

```

<210> 1203

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1203

```

cactcggcca ggcgccggcg acctgagggg agagggaacg cagctgaaac tcgaactgtg 60
agatgctttt gacaagtatt aataagggag agatggtagt aaaggaagtg aagaagcgac 120
gtgaaattga aggaaaagaa aatgacctgc cttcttaccg cggttggaat acacacccaa 180
acgagaggta gcagagaagc aagcagtgca ttctgttaaa aattattgtg tcctcatttg 240
agagaggagg gatcctcaaa taatacaact atgtgcaaag caggaagtga aatccttctc 300
agtccctctc ccagttgtaa tccaagcctt ccacatcttt cctgtatgtg cataaccatg 360
ttattttgtc ttcttatgaa aatgagatta tgcatactgt tcgataatct gtttcagatt 420
aaata 425

```

761

<210> 1204
<211> 689
<212> DNA
<213> Homo sapiens

<400> 1204
ttcgacccac gcgtcgcgcc gcgtcccagc tagagccaga ccgtcgctcc ctgccccgca 60
cgccgtcggc ctcccttgccc agcagccgcc gcagcagcat gggcagcaca gcagttgcca 120
ctgacgtcaa gaaactgatg tcctcagagc agtaccacc agaggagctc ttcccaggagg 180
gcacaaatcc ttttgccact gtcaagcttc gtcccacat caccaatgac cgctcagcac 240
ccctcatccg ctgaggcgagg gtccgagggtc gtaccccaca gtgcacctgc ccaggggctg 300
ttcagagctg gcaatggcag cgacagcagc aacagcagca gatccaagaa gcgggtccct 360
gagacggggg gtggctgccc tccccagacc accccggcag cctgagcagc tccaaagcac 420
tggcttgggg tccgagacct tcaaagtaaa gcaggcgga tggggggaca ggacaatttc 480
tccccctcca gggggtccag gactctccct ggggggcccc cctcttgccc cctaacctct 540
ttcccccttt tctgcccccg tggggaggag ccccttgtag ctgctccgtg cccaacacat 600
gccctctctg tacatctttt gtaaagtatg agaaataaag gaagtggacg caaagtgatg 660
cggcaaaaaa aaaaaaaaaa aaataaaaa 689

<210> 1205
<211> 2476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (833)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2472)
<223> n equals a,t,g, or c

<400> 1205

762

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gaagtgctgc tagtttttat gagaagtata ttatattaaa tgtgaatttt ttaaattttg 60
cttcttatac tgggaaggaat tttagccttc atattgatat ctaattaatt atttaagtgg 120
aagaggctgc atcaccaattg aggtaatgta gagcaacatg ttaaagaatg atgggttagca 180
gaagctggtg tatacaatct tcatgaaaat ttcagtgtgt atttttcttt ttctataata 240
cctttaactg caaagaaaag gcagtttcaa atataagaaa tttatttcag gtaagggtaa 300
tattttaata gtagtcaata atctagctta aggctgtaac tcttctatcg gggctaattg 360
tatgaatagg tgtcagtatg ttgaagatta ctttcttttg tgactttctt ctacctcatg 420
ccactgttta aaagtaaaay gtattttaat gatgttagaa taagactacc attctaaata 480
tcacctactt atgaataaca tgtaataatt tttaacmtta atgattccmt aaaattgtat 540
tattgggatt agaattgtgyt ttatgacmgy ttagtgtttc ctctgmggca gaaaactctt 600
ttttggrgat atcttccatc aagcagtact cgtgcccata tacaatctct tagtggctag 660
gagaaataaa taaaaggggc ataattggtt gtctctcttc agacataatt tagtagggga 720
caagaagtct gtcttctcagt gagtacacta gagatttact ctggtgactg ccttttgagt 780
tatgggtgaa gtaagggtatg gctttaccat aaccttgatt cattcaccct tgnattcatt 840
tctcgccccc gtcactgata tttccttgag catatatctc tgcctaacac tttagtaggt 900
gctatagagg atacatgaaa agtatgagat ctggttccat ccagtaagac attttaatag 960
agaagatcaa aatgttacct ggcagttggg gaataatctg acttcgttgg cagttggcct 1020
taacttctta atcattgatc caggaatatt tcaaccagag acacaacttt ctggcagaca 1080
gacaaattgt acaacaccaa caatatcctg gaccttgaaa ttctgtttac ttcagtccat 1140
tgtatccttt aaggcacctg tgctagccta gattttgtaa taacactgat ttatgagaat 1200
ggacaaaagt ggtaggggaa ttgttccctc tccacttctg aaagtatgat gatgtattaa 1260
ggatggagga gttattaaaa atgtctcttc tgatgaggta acaattagat gaaaccatgt 1320
taaagctgag atgaacactt agaaattcag ggatattggg tctttagcct tatgaatttg 1380
agctgcttat ttaattggtg taatttacta catattagta ctatatctgt aaggattttt 1440
tattaacctat tacagatttt acaaacagct agttatatgg taaacagatt attatgcctt 1500
tttgcaattc tgaatatgat tctagtattt gtgtagatgt atttggtact ttttccccta 1560
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gtcagtagaa agcacacaag gttatgattt ttttaattac tggcttctga tttctttcac 1680
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tatgcttttg tccagaagga tcaagaattc taccatccct tgggtctttg tgtataaaca 1860
atgttaaata aaggtagact cagtctttta gatattagac agttttttta gtccatggga 1920
ttgtaaatat aaacattaac tttcctataa gaataatttg gctttgtaat ctatagcctc 1980
aaattggtat ttattatgga ttcactagac aaacagctgt ttccttattg tcttttttct 2040
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ttacagtttt tgaagtcact tttgagccct catcaagctc tcattgtgat gggagggata 2160
cctttttgtt gttaaaagcc tattattgtt aaaggccttt tatggaaacc aacttggaaa 2220
acaaccttaa atgtggatgt atcagatttg gtttatccag ccatgggaga gaaaacaaac 2280
ctaagtttac tttacttgta catatacact acaatggata gtatatttgc tgtaaactac 2340
aatgtaaaac ctcaataaaa gtgcgctgta cttcttaatg tttattaaaa gatgtatttt 2400
tacaaaaaaa aaaaaaaagg gcgggcccgt ctanaaggat ccaagcttcc gtaccncgtg 2460
ccttgcgacg nnatta 2476

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<210> 1206

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (169)

763

<223> n equals a,t,g, or c

<400> 1206

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ttcatagcct tctccctgat acccctcccc agtgtcacat ttgaagacga gcactgagga 60
tgaggaacca actgaagaat atgaaaatgt tggaaatgca gcatctaagt ggccaaaagt 120
ggaggatcct atccctgaat ctaagtttca gatgaactcc cataatgant gatgaatttg 180
tgatgagggga taacctggaa gtggtattca cacattatgc tacaataaaa ggttctaccg 240
tggagaggat tttgacacat tcagtaacta atggaacaca ccgtcaacat gaattcgcac 300
cttacatgac agaagtgatt cagggattcc tatgaataga aatgctgaga aggaacgcat 360
tttattgcag aagctaaaaa gctaaagtac cagtcaccta gagagaagga aattaatgtt 420
tcttaataat cctgttaaat gtttgattgt ttttggaatg tgttattgta aagatgtcat 480
gcaggacatg tatatgttgt ctgttgtaaa atgttaacga atactttgtt cagggctcac 540
tctctctttg tcatgaaagc cagctccttg tggcgaggta aagtggaatt ccaataaaga 600
aattccttaa atcaaaaaaa aaaaaaaaaa 630

```

<210> 1207

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1207

```

ggtacaaca aaatttgttc ggacatcaac aaataaagta aagtgtcctg tatttgttgt 60
taggcatagc atggaaaacc tttttgaaaa gaataaaatc cgagcatcca tatcttataa 120
gtggactcca gaaggaagac gcttggtcac tggagcttct agtggggagt ttaccctgtg 180
gaatggactc actttcaatt ttgaaacaat attacaggct cagcacagcc cagtgagggc 240
catgacgtgg tcacataatg acatgtggat gttgacagca gaccacggag gatatgtgaa 300
atattggcag tcgaacatga acaacgtcaa gatgttccag gcacataagg aggcgattag 360
agaggccagg tttatacaca atataaccatt ttctgtagtc cctattgtca tggttaaatt 420
attctctaa tgatttctgg gtgcagagat gcatgggctc tgtcagtttc tgggaaactt 480
tctgcaccct ataaacacaa tttttttctt tgttttcaca cattcaccat tttgctggca 540
cctttctgaa gtagtgttgt cccgggtatc gcccttgcaa tatgttagag atgtactgtc 600
tgccgcattt tgcactgggt ttctcttttc atttatgatt aataatgtgt atacgttatt 660
cctttttatt atctactgtg taagacaaga atatttcatt ccaaataaag aattcagtct 720
ttaattatgc aactgaataa aatctaaagc ctaaa 755

```

<210> 1208

<211> 600

<212> DNA

<213> Homo sapiens

<400> 1208

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accaccctga acatgcctga gcttgtcata atatgttgag tacccaaaag atttgtttat 60
attgttaatc ttagggaaaa aaaattaaaa tccagtagat cagaacatca ggctttcaga 120
tacaaattga tttactgggt tttatttttg tgattataat atttggata tttaaggtaa 180
tctagttaac tagatgctat ttcatagatt atattgaatg atttaaaact ttattttcaa 240
ggatagttta ttttaaatgg catattgaaa acatcattat taagatccag taggtaggac 300
atttattgga ttaaaatgaa gcatttatct atgtctttag gtgtcattgt tccctttctg 360
aattagctgt acatataagc cttccttttg ttttaagtac tgattttttt ttaaaaaaaa 420
gagggactgt ttaccattct tccactgtgc tgttataaag ttgtatttga aaggtaatgt 480
tgtttttatt aatcttttgt cttaaaaata tttaaagtgc tttgaatttt aaacatttaa 540
acaaatcctt aaataacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600

```

764

<210> 1209
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (75)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (230)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (246)
 <223> n equals a,t,g, or c

<400> 1209
 tgcctacgat tcccgcactg cccatgggga acgaatccta tatcgctgag cgcttggtag 60
 ggaatgtgga ctgtnaccct gagagtcgtc cttccctctg cctgagtcct tgagcgaaaa 120
 tattgaatag acagcaattc ctgaagtcta aacgcctccc aggactacgg aggattattg 180
 gaaagagaac aagcgaggag atacaatctt caaggactaa atgggggaatn acttttttagg 240
 ggtcantaga tgattgatga ttgattacta taaactgata atatgaggcc aaaactaaaa 300
 gttggaagag tgagcaagta caatggtttg ggagaggcaa tgaagaacaa agaagggtgcc 360
 agcccytact ccagacgctg tggtagcact ggtttggcag gaaaaacaat catcatttga 420
 gagggccagt ggggaagccc tgtcctcatg gaaaagctat cttctttcgt ttacactttt 480
 catggtatta tgtctactga agaggtaaaa acaccaaatt tcagagaagc tcttaaattg 540
 cccaatactt caaagcaagt ataactggtg aagcgcttgg cattgatgtc agacacccaa 600
 tgcctatgat ttattttaatg cagtagcatt aaggaggatc ctatacgtga aggaacatat 660
 tttattttct tcctttatat tttttggtta aaatatcgtc attatagtta gcaatttgga 720
 atctggctta cattggttga tacaataaa taatagaata aagcaaaatc agaaaacaaa 780
 aaa 783

<210> 1210
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (561)
 <223> n equals a,t,g, or c

<400> 1210
 acccaatttr ggtatgactt ggaagtgcag aaacagargg atactgttag aaaawcctaa 60
 cawtgggtctc cgtgcatgtg ttcacacctg gtctcactgc ctttccttcc cacagacctg 120
 agtgtgaaag actgagagtt gaggagttac tttgtggatc ttgtccaaat ttagtgaaat 180

765

```

gtggaagtca accagaccaa tgatggaatt aaatgtaaat tccaagaggg ctttcacagt 240
ccacaggggtt caaatgactt gggtaacaga agttattctt agcttacctg ttatgtgaca 300
gtgatttacc tgtccatttc caacccaaaa gccgtgcaga aagcattctt tagagaaaac 360
cactttacat ttgttggtta actcctgacg gctactctta agaataatac tgtatgtatt 420
cataggaaca ttttttctca atatttgtat gattcgctta ctgttattgt gctgagtgag 480
ctcctgtgtg cttcagacaa aaataaatga gactttgtgt ttacgttaaa aaaaaaaaaa 540
aaggggggggc ccccctaaaa naacccaagc ttac                                     575

```

<210> 1211

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<400> 1211

```

gggccgcggc ggaccctcgc tgcctacct ctctcgcggg ttagtgcggg gtcgggctcg 60
gccagtcctg gccagctccg ggagagcctg gcccgaaatt ctgcctccac cctctttctc 120
gccgcgaagg tgactgttcc ttttgcccca gccctctcag acccgccccg gattccccagg 180
catcgggaga cgcggaaagg artgggggtct ggtggaggcc ccgggcgtat cgctctccag 240
gccgccctcc gcgggcctgc cccggccacc gctttaacgt cggagagaag gaattgggga 300
gaaargttta agagcctgcg amtctgttgc tgaacttttc ccccccaaga caggcttccg 360
aaagctgcgc cactggaggg atccgggacc tcagactact cgggtttggc cctggcatgt 420
gtgggagcag tttttattag agagaatgct caatttgcaa gttaatttca agtcttcanc 480
cacgtcagga aaaaaacatg aaggaattaa aggangccan gcccgnccaa agataacaag 540
gcgtncaaaa acttggaat ctataaaccc tggcc                                     575

```

<210> 1212

766

<211> 523
<212> DNA
<213> Homo sapiens

<400> 1212
agggttttttag gaacacaagg ttagtcagga cgtggatccc cacagtggac acgactgccc 60
caccctgccg aggtcggagg tggccatgag gagatgggct gtcgcttgct gtctgagctt 120
ccatccacga atgggtgtggg agttcrggat cttcccagac attstttctt cacccttggg 180
aagatggagg gggacggtgg tggcatccct tgcagtctgt gctgcgctga cactttggag 240
aagygtctcc catctgtaga gcagaatcct ctttgagaa atgcagctgt ccttgacctt 300
gaggcagaag gcgtytccat cctgggcatc tgytgcccc tccccatctg gatgcctcat 360
cttgctgtgt cattaatggt aatcttattc taacagcctc ccatgcatca actctatcag 420
tccccgaata ttatctttaa attttgtcag atcgctttgt gggtttctgg ctttttctct 480
tttctatcaa gctattcaaa gcaaaaactg aaagtgaatt tag 523

<210> 1213
<211> 752
<212> DNA
<213> Homo sapiens

<400> 1213
gagcccccttg gcccagctct tcttgagag agaaggtgct tctttgcca aacctaagcg 60
cctaattctgt tgacatccct tggggctcta gtagaagggc ccccttcttt gatgcagtta 120
tgccgcctta gaattcggaa gtgttttggg atccagcagc atcataagat aaccaaactc 180
gtcctcccag aggatctgaa acagtttctc ctacatcttt aaatgcatct aggggaatgga 240
ttcaciaaacg atgtgaaaac attattgagt gttgtagcca ctagaatttt aaaatcaagt 300
tggatttata gagtttgact agttttttctg attagatttg tatttgttat aaacttgttt 360
atggagtttg actaattttt tctattcaat ttgtatttgt taaactcaag ccagggtkga 420
aagacactgc atacgtttgt attattagtt agaaggcatg aagacttttt tccctgcwtg 480
gagagtgtca taagttattg ttttgcatat ctactgcatg ccaagcactt tctgcatcat 540
ctaatttagc cctcacagcc actgggtcaa gatgtccaat tttccagagt aaggatagag 600
gagtcaaat caaatacagg ttttctgaca ttaacttatg tgatgacttg atcgaggcag 660
gcttttccag catcactgtc ctggttccat ctctgctata tgggaatgaa aataaagaaa 720
catatttctt ggcttgtcta aaaaaaaaaa aa 752

<210> 1214
<211> 1088
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 1214

767

```

gcgnccgctc gcccggaacc tgaggctgct gggcccaccc tcccggaacc gtccgaccct 60
cggtggcctc ggctcgctct gccatctccg gtcctaccct ggggcggagg gtggaaggca 120
gcttccgctc aagaggaggg ggctgcggtg gccaccngg cgagsgccga gttattttac 180
caagaaaatg gtttgacga ctttgaacat atactatcca tgctgatggg acaggatcca 240
atatgaatat aaatgatgga ggaagacgac gctttgaaga taatgaacat acattacgga 300
tatatcctgg ggctatttca gaagggacaa tctactgtcc gattcctgcc agaaaaaact 360
ccacagctgc tgagggtgatt gagtctctta taaacaaact tcatcttgac aaaacaaaat 420
gttatgttct agcagaggta aaggaatttg gtggagaaga atggattctc aatccaacag 480
attgtccagt tcagcgaatg atgctgtggc cccgaatggc tctggaaaat cgcttaagtg 540
gagaggacta ccgcttcctt ctgagagaga aaaaccttga tggatcaatc cattatggta 600
gcctgcagtc atggctacgg gtaacagaag aacgtcgcag gatgatggaa cgggggtttc 660
ttccacagcc tcaacagaaa gactttgatg atttatgtag tttacctgat ttgaatgaga 720
aaactctctt agaaaaccta cgaaatcgct ttaagcatga aaaaatttat acctatgttg 780
gcagtattct aatagttatt aaccattca agtttcttcc tatttataac cccaaatatg 840
tcaaaatgta tgataaccac caactgggaa aacttgagcc ccacatttat gctgtggctg 900
atgtagctta tcatgccatg cttcagcgca aaaagaatca gtgcatcgtg atttcaggag 960
agagtgggtc tgggaagact caaagcaca aacttcttat tcaccacctt actgctctca 1020
gtcagaaagg atttgccagt ggagtagaac agattattct tggagctgga ccagtacttg 1080
aggccgctc

```

<210> 1215

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<400> 1215

```

tccgtacttg aggagacggg acacacagga caagctgcag gtggtgagca ggttcacctt 60
ctattttgaa gaccgccttc ttcttcaggt acctgatctt gaaaacgaac ctcccccttc 120
aggctcttgct tcccccaac ccagacaccg actcgcccaa gggctctcca gctggctgag 180
ttggaacctg cattttttta ccacaaggaa aagaagccca gagcttacca agaataatat 240
tttattgact tgggaatgag ttttggaatc tgtattttta acaagctgcc cagtgaacac 300
catttctctc tcgtcgtggc gcagttccag aggntgcgcc attntttccc aggtcaacag 360
tcctgtgtcc ttgggggagg ga

```

<210> 1216

<211> 825

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

768

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (693)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (735)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (814)

<223> n equals a,t,g, or c

<400> 1216

```

cncactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc gggtcgaccc 60
acgcgtccgg cccgacgtcg cctccggcta ggatggcccc tccgggcccg gccagtgcc 120
tctccacctc ggccgagccg ctgtcccgca gcatnttccg gaagttcttg ctgatgctct 180
gctccctgct caggtccctt tacgtcttct actgcctggc cgagcgctgc cagaccctgt 240
ccggccccgt cgtggggctg tccggcgggc gcgaggaggc gggggcccct ggtggcgggc 300
tcttggccgg accgagggag ctggcggtgt ggccggcggc ggcacagaga aagcgctcc 360
tgcaactgcc gcagtggcgg msgcgycgrc sgcccgcgcc ccgcracgac ggcgaggagg 420
cggcctggga agaagagtcc cctggcctgt caggggtccg ggcggctccg gggccggaag 480
caccgtggcc gagggcccgc cggggaccct ggcgctgctc ctggacgaag gcagcaagca 540
gctgccgcag catcatcatc ggaktgaara agggcggmacc gcgggcgctg ctggagttcc 600
tgcgcgctgca ccccgacgtg cgcgcctggg gcgcgcgagc ccacttcttc gaccgcagct 660
acgacaaggg cctgccttgg taccgggacc tgntgcccag aaccttgga gggcagatca 720
ccatggagaa gaagnccagt tattegtcaa gcgggaagcc cccgcgcgca tcttgggcat 780
gttccaagga caacaagctc attcgttggt tgtncgggaa ccggt 825

```

<210> 1217

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

769

<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<400> 1217
gtgaaaaaaaa actatagtag acctggttatg agactgtcac tttgtacatt gttgagtttt 60
tattatccac ctgtagacta gagtggacca tgaattcttc cactttcttc aatcccattt 120
tctaccatgg aatcactaag agcaaagtct gctctgttcc tgaagctcta taagctacag 180
atggataact caatgtaaat ttcattgggaa aacactcatg cctaaggtgt gggccactca 240
gagctcacca gtatgttcaa cactataact agagacactg aaactgcaaa ccaggacaag 300
aaattgacaa cttcacgctg tagacagctt ttcccaagat gtcagaacaa gacttcctac 360
catgatgagg ctccctacccc tcttaatttg cctagctcat gcctgcctct ttcacttgca 420
ggataatgtt gnnattagaa tttcacagga agtatcttct gaagggtagc ttaacagaag 480
tatcagantc tatgatatca cntaccnaaa ttttttac 517

<210> 1218
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature

770

<222> (753)

<223> n equals a,t,g, or c

<400> 1218

```
ccgacttact ttagggaang ctggtacgcc tgcaggtacc ggtccggaat tcccgggtcg 60
acncatncgt ccgaccaccc aaggggtgagg agaggggctg gaagccctgg gcattaggag 120
aagggagtggt gtgctggcat ggacatgact ggatagaatt ttctcaggag ggagcttggt 180
ggattttgaa ggtaaaactt tctgggttta tcatgtttta attttagaga cagggagtga 240
tgaatcatca ccggttgtec ccttatctaa ctccataaaa gtgggaattt caaaagaaca 300
cctcatccaa ggagctgggg cagacttcat tgattctaga gagacctgtt tcagtgccta 360
ctcatccctg ccctctggtg ccagcctcct taccatcacg gcttctactga ggtgtagggtg 420
ggtttttctt aaacaggaga cagtctctcc cctcttacct caacttcttg ggggtgggaat 480
cagtataact ggagatggct agttgctgtg ttacgggttt gagttacatt tggctataaa 540
acaatcttgt tgggaaaaat gtgggggaga ggacttcttc ctacacgcgc attgagacag 600
attccaactg gttaatgata ttgtttgtaa gaaagagatt ctggttggtg actgcctaaa 660
gagaaagggtg ggatggcctt cagattatac cagcttagct agcattacta accaactgwt 720
ggaagctctg aaaataaaag atcttgaacc canaaaaaaaa aaaaaaaaaa aaaa 774
```

<210> 1219

<211> 556

<212> DNA

<213> Homo sapiens

<400> 1219

```
gttttagcaca aagaaaagcc atcttgggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcattgatct tgtggatagc tgtgtcccggt gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa ggttctcgaa ataagaatga 240
caagtgtatg ttccttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300
aacaagagat tctgaggatg ggtgtaagca tggaatgttg atggagttct cacttaaaga 360
ccttttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420
gctttgccct gtcatttttg gtcattgaact tgttaaagca ggtttggcat tagcactctt 480
tggaggaagc cagaaaatac cagatgacaa aaacagaatt ccaattcggg gagaccccca 540
catccttggtt gggtttt 556
```

<210> 1220

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<400> 1220

```
gtgtttaatg atctgtaaaa tgtagattat cttcttttat tatgaatgtg attgtaagaa 60
acaccctaac attctctaac ttttgaaaat gaatatatttg tatttctaag gamcaaggaa 120
aatatTTTTT aagccmatgt antacaca 148
```

<210> 1221

771

<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<400> 1221
ggttttttcgc agcgccgggt gtgttcgggt aggtgttgcg ggcaaggaag taggcagcgg 60
cccctgagca gccgcctcgc tccggcattg cggggacacg gcggggctga ggccacgaga 120
gcagggcccc agccccggcg gccgtgggta cggttttctt gactgaaaa actgaatccg 180
gcccgaagcg acgtgcactt tatgggtcccc acaccactcg gttactaag aaaagaccg 240
ggcgaatgga cctaacgcaa cccggtgcck anagggcccc gtccagcagc ctctggggcc 300
cartgcgcag ggcactgcgg gccgattgc 329

<210> 1222
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 1222
ggcagaagct tgaggctcctg aacgtgctac gcaacccctt gtctcgtgtg gatggggcgc 60
tggccgcccc ctgtgacctt gacctgcagg ccgactgcaa ctgtgccctg gagtccctggc 120
acgacatccg ccgagacaac tgctctggcc agaagcctct gctctgctgg gacacaacca 180
gtctccagca caacctctct gccttcctgg aggtcagctg cggccctggc ctggcctctg 240
caactatcgg ggcagtgggtg gtcagcgggt gcctgcttct tggacttgcc atcgctggcc 300
ctgtgctggc ctggagactc tggcgatgcg agtggccaga agccgggagc tgaacaaacc 360
ctgggctgct caggatgggc ccaagccsgr tttaggcttg cagccacggg acggmagccg 420
kagcgccccc aagccccaag tkgcctgca ttctgcccc tncacttccc nactattgag 480

<210> 1223
<211> 1299
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1254)
<223> n equals a,t,g, or c

772

<220>

<221> misc feature

<222> (1267)

<223> n equals a,t,g, or c

<400> 1223

```
gctggccaag gcgctgcggc ccacccaaat catcttcctc aataacacag gcggcctgcg 60
cgacagcagt cataaggtcc tgagtaacgt gaacctgccc gccgacctgg acctgggtgtg 120
caacgccgag tgggtgagca caaaagaacg gcagcagatg cggctcatcg tggacgtgct 180
cagccgcctg ccccaccact cctcggccgt catcacgcc gctagcacgc tgctactga 240
gctcttyagc aacaaggggt ccgggaccct gttcaagaac gccgagcgaa tgctacgggt 300
gcgcagcctg gacaagctgg accagggccg tctagtggac ctggtaacg ccagcttcgg 360
caagaagctc agggacgact acctggccyc ctgcgcccg ggctgcactc catctacgtc 420
tccgaggggt acaacgccgc cgcattctga ccatggagcc cgtcctgggg ggcaccccg 480
acctggacaa atttgtggtg agctccagcc gccagggcca aggtccggc cagatgctgt 540
gggagtgcct gcggcggggac cttcagacac tttctggcg ctcccgggtc accaacccca 600
tcaatccctg gtacttcaaa cacagtgatg gcagcttctc caacaagcag tggatcttct 660
tctggtttg cctggctgat atccgggact cctatgagtt ggtcaaccac gccaggggac 720
tgccagactc ctttcacaag ccagcttctg acccaggcag ctgacctca ccatggacac 780
tacaggccct ggaatggcca ggggtggacca aaagccatgc cagctgggca tgaccccagg 840
cagccagcca caggctgaag ggggcttggt ggctgagtga tctgcagagg agaaagcagc 900
cccagctctg ccagaggag gcgctgaagt gggacaagca caggaaagaa ggggaccagt 960
ctaggacccc aacttgactc actctaaagc tacaaccaa tggccttcga ttttcaacct 1020
ggggattagg ggaggggagg gtgccttcca gggctctact caggactaac cctaaggggtg 1080
agctagtttc tgtgcctctg tgcctatgtt tgaggctccc ttacccaaaa taataccct 1140
gcctgcgtga tattctacca ttcattttaa ttcccttggg tcttgagtt tttcaggagg 1200
ccttgattaa aatgcaaata cttgtctgag aaattccgct tacactttga aaanaaaatt 1260
aaaattnacc cccttggaaa caaaattttt tttttttt 1299
```

<210> 1224

<211> 1062

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1047)

<223> n equals a,t,g, or c

<400> 1224

```
tccagagaga aaataggccg tgtctcaaag aaaggttctt ggtctatgcc tctggctctgt 60
gggctggcar ggcaaccata ccatacyccc gccagtcctc ggctcctgct gcaaagttgg 120
catgtttcac agggaaactt ttggaagagt ggctgcttat gagattccaa aatgaagtgt 180
tggccaacac cgctcatggc catcctggat tttcccagtg gcttcccttc ctgctcgct 240
ccctgaacag gggagaaaagc ttaacctctc ttctcctctc caaacctttc accttgaatg 300
ggtaatgttt ggtgggggct gttccttctt ggagaagcct tgagtcggac cattttgaga 360
tcatggagga aggatgaaga agtgaaaatg acaataatga ctctcaagag gctggcgatg 420
tgacatggca aatgtagaac tgacttaaata tgaacaaacc ctactgagc acctctgatg 480
ttgagcacct gctgaatact gagcactgaa tgggggaggg ggaggggagc acgggggtgag 540
tcaacctggg actcggctctc agggatatgc ctaccaatag cgggtatcgt aaggcatgta 600
```

773

```

cccaaacata acggatgtaa ggcagaaagt gatcggagaa ggaatgagaa agtgtgcgtg 660
atgttaatat aaagtcatat gcagctagag cagacccagg aaagctttct ggaagagatt 720
gcattctgagg aaattcagga aggatctttg tagattgggg ggagattcta aattgaaggg 780
gtgatrgggg gaggggcccag agggaagtct gctgtgttct catgtaggat gtcagccctc 840
cctgcaactt ctcttttttg ccaatgtctt ttcactttcc tgacccttta gaatcatccc 900
cagccagacg caatcatgga agttgcctta ttgtcactgg ttaagaactt ggcgagattg 960
aagggttttt gttattgttg ttggatatatt ttgtttccca taaaagcaca tcatttcaac 1020
cctaaaaaaaa aaaaaaaaaa aaaaacncgg ggggggggcc gg 1062

```

<210> 1225

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (596)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (602)

<223> n equals a,t,g, or c

<400> 1225

```

aaaaatggga tgaaccttgg tataacccaaa aaacagaaca tcaaagaaat agcagtaaga 60
ttctgagatt tatttcagac ttccttgctt ttttggttct ctacaatttc atcattccaa 120
tttcattata tgtgacagtc gaaatgcaga aatttcttgg atcatttttt attggctggg 180
atcttgatct gtatcatgaa gaatcagatc agaaagctca agtcaatact tccgatctga 240
atgaagarct tggacaggta gagtacgtgt ttacagataa aactggtaca ctgacagaaa 300
atgagatgca gtttcgggaa tgttcaatta atggcatgaa ataccaagaa attaatggta 360
gacttgtacc cgaagaccaa caccagactc ttcagaagga aacttatctt atcttagtag 420
tttatcccat cttaacaact tatcccatct tacaaccagt tcctctttca gaaccagtcc 480
tgaaaatgaa actgaactaa ttaaagaaca tgatctcttc tttaaagcag tcagtctctg 540
tcacactgta cagattagca ngttccaaac tgactgcact ggtgaggtcc cggcanccaa 600
cnggcacc 608

```

<210> 1226

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (850)

<223> n equals a,t,g, or c

774

<220>

<221> misc feature

<222> (882)

<223> n equals a,t,g, or c

<400> 1226

```
atccatttta ggtactctac tgactttttc cttcacttgc caagcccttt tattgttcac 60
tgtagaaaa atagagaagg tgagacagct gggggaaaat gtggagtaaa tgataatcaa 120
atgttgaatt ctaaaagtct ctacatttac ctaggttggc tttctcccc agttcagaag 180
tttccagctt ggccaatcat cagaatcact tgaggaactt agaaagaact ccctggctgt 240
agctectatg taggtttagg ttgagactct ggattccaca atttttaaa gttaccatct 300
gaggtttctg atcatagtct acttttgaag cagctgctgc trtttcttta ttccattgaa 360
caccckggaa ttgacataat tttatctatc agcatttctc cccttttagt ttatttaata 420
attaacccgg tctccagggc agttttcata tgaccatgtg tatattcact gctcacgaaa 480
aagtttaatg ttagattacc aaatttaata tagttacaga attactgcat aagggttcc 540
cttcttggag actcttacc agcatgggaa cagtgatctg cccacatgac aggggtggtat 600
gccaggcata gttaactgct tttggttgtg aggtactcat cttcctttag ttacccttag 660
ttatgtggca cacatgtcct tattgcctag ttcgtcatcc acactttgga tcttgtgaaa 720
atgctgttag tatccaacct taaaatatat tagtatatgg gtttttatta aaagaattac 780
tttgaatttt ctatttaatt catatgtaaa taaaggaaca tttcatttca cttaaaaaaa 840
ttatatcagn tattaagctg ggtgcaagtg gctcatgctt gnaatccaa 889
```

<210> 1227

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (693)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (730)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (736)

<223> n equals a,t,g, or c

<400> 1227

```
ggcacgaggg gaaatgcttc tgccgcaagt ctactctcac gaccacactg aggaccacaca 60
caggagagaa accgtatgaa tgtaatgagt gtggaaaatt cttctctcgg ttgtcatatc 120
```

775

```

tactgtaca ttatagaact cattcaggag agaaacccta tgaatgtaat gratgtggaa 180
aaaccttcta cctgaattca gccctcatga gacatcagag agtgcacaca ggagagaaac 240
cttacgaatg taatgaatgt ggaaagtatt tctcccagtt gtcatacctc actatccatc 300
atagaactca ttcaggagta aaaccctatg aatgtagtga atgtgggaaa accttctacc 360
agaactcagc cctttgtaga catcggagaa tacacaaagg agagaagccc tatgaatgct 420
atatatgtgg aaaattcttc tctcaratgt catacctyac tatacatcat agaattcatt 480
caggagagaa gccctatgaa tgtagtgaat gtgggaaaac cttytgscag aattmagccc 540
ttaatcgaca tcagagaaca cacacaggag agaaagccta cgaatgttat gaatgtggga 600
agtgtctctc tcagatgtcc tatctcacta tacatcatcg aattcattca ggagagaacc 660
tttgaatgta tgagtgtnga aagccttctc tcnggtgcat acctcactgt acatatagac 720
ccttcagggn gaaccnatg                                     739

```

<210> 1228

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 1228

```

ctttgttnc a ttgcccattt tgaaaaaggg aattatttct cagtctttca aggcttgaga 60
ctaatatagg ccattgtgat tcaggaagaa acccaagggt ggaggggtgg atgagtaccc 120
tctgaaaaag ggaatttgct ggtgaaaaga ggctggatct tgtggaagac tgtcttggat 180
ggggaagtac tacctggaga tttcaaattc acttggcctg caaacaacag agttatccgt 240
atcttccaca tgtgaatgtc attgcaaggg tgactctaga caaactacaa accgatggac 300
cgtcaagctc cccaggagcc ccttggatgg cagcgttgct tcagagtgtt tctgttttct 360
ggaattcctt gttagggaac tttaaagaag aaaagaaaaa cttgaattgt gttgaattac 420
tgtatctttt actttttttt tttgaaaaga taaacttgta aatagagtga tttgaaatac 480
taaaaaaaaa a                                     491

```

<210> 1229

<211> 1596

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 1229

```

cactggcggg tcgcaacgct gtgggcgttc caggaggtgg tcgtggcgaa cctggcngct 60
gcatgagga aactgaggcc ctgagaattg actcattcag atcacttccc atgatcacgc 120
agctgagcag tttccaatac agaattcaga tttgggggttc cctacttcsa atccagggtct 180
ctgtgtccca cacttgtctt tcgtgtccca tgtttgaaga aattaatatt gtggaagaac 240
agttttaagg cttagaggaa cttgarttag gatccgtact tggcagatga ggaaattgat 300
tctcatggat gtaaatccac tgtttgaggc cacaacaggg catcatggag ggaggcttga 360
agaggaaaca ctctgatttg gaagaggagg aggagaggtg ggagtggagt ccagcaggcc 420

```


776

```

ttcagagcta ccagcaagcc ctgctccgca tctccctaga caaagtccag cgccctgggc 480
ccccgagcac ccagcctccg caggcatgtc ctcatccata acaccctcca acagctgcag 540
gctgcacttc gcctgggtcc cgccctgcc ctgccccccg agccctctt cctgggcgag 600
gaggatttct ccctgtcagc camcattggc tctatcctca gggagctgga cacctccatg 660
gatgggactg agccccctca gaatccagtg actcccttg gcctccagaa tgaagtgcc 720
ccccagcctg atccagtctt cttagaagct ctgagctccc ggtacttggg ggactctggc 780
ctggatgact tctttctgga cattgacaca tctgcggtag aaaaggagcc tgcacgggcc 840
ccaccagagc ctyctcacia cctcttctgt gcccagggtt cttgggagtg gaatgaactg 900
gatcacatca tggaaatcat tctgggggtcc taaaactgtg atagagggga tcatccttc 960
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tgcattgtgt tgtgtgtctg gttaccccca ccttctgtga aggtgggtct tctgaatta 1140
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cacatttctt ccacctttcc tgctagtctc cactcccttg tgaccactgg ggcctcaggg 1260
aagataaaga aagctggggc tgtcgaagga tgacagggat gtgctgccag gttgctatag 1320
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ggctgaaccc cacttctctg gcaggacccc agtctcagca gcctcctgat ttcataacca 1440
ggccggacca cgtgcaatag ggtggaaacc aaactgctcc atgccgggtt atttaaaaga 1500
aaggcagagt ttgtggtggc tttttttttt ttttttggat tgtttgtaat ttttttaaat 1560
aaaagtattt tggaaggaaa aaaaaaaaaa aaaaaa 1596

```

<210> 1230

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (563)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (578)

<223> n equals a,t,g, or c

<400> 1230

```

cctcgagtag cacttttagtg aggctgtaag tacaggaatt attcttacct cacagacaga 60
tgagcagttg ggcttctaaa agataaagta agctccctga aatgacacag agaatcattt 120
ctctatgaaa gatcagggtc agcatccagg ttttgcaaag cccaactcag tgtacttttc 180
atttcattctt acgttgctta agaaggccag gcatgtaaca ggtaccatct gctagcgatc 240

```

777

```

actgaatgca ccttggttag cggtgggggg tgtagaagat gatgcggggt caccaagaca 300
gtacattkga gaaactgcca ttctttccct tagrtgctga ctggaaagct tctagggccy 360
awctgtgtgc cttattcagg grgacycata aagatcttgg aaagtgtaaa tgaacatggt 420
ttatgagtag aaatgggtcca caatttagca gatagaaagc ctgggttcta gcccagctc 480
tgccattagc tgtgtgatca tagataaatt ctttccctc ttgagggttg aacatnactg 540
actctacaaa gaancaaatt ggntctggaa gtggatanca 580

```

<210> 1231

<211> 1676

<212> DNA

<213> Homo sapiens

<400> 1231

```

ggtttcaaat atgtggtaaa attctgtgac ctgccatatt ggatttataaa cttcatcttc 60
atcttataaac ttcatctttt gaaatctctg aaatcatta gtgtgcatgt attgaacacc 120
agtctttatt ctgtaattaa cccccagat ttctttcccc tcaccttatg ccatccatct 180
gtgtgttttg tttccagtat gccatgtgga agagggtgta gcctttcttc agcccaagaa 240
ggaaacttta aacatatttg cacaataaaa tttcaaatta aacatttcaa aaaggggtgt 300
cagactagaa atacatgctc ttctgaaatt ccatgttgca actgtaactc ctgtcatata 360
taccagtggt atgaggaaaa gttcttgtag ttttcacact gcccttctgt attgctgcct 420
ggctgtgctc tgttgttgga actgaaatat gaaattttta ctttgaagta tgtaaatgtc 480
aaagttgata gtattaagtt tkgaaatcct ttgagggtta tctaataagt gtgttgagac 540
ttctgtctct tctggtaata ctgtaccctg ttgaaccaag aacagtttta ttgtttgttg 600
gacttctgtt gttttctaat accataacct gtgtccctgt gcagtcaggg ggtcacttct 660
ttaagatcat gtataatacg gcccgtcata tacacgtaga tagagccatg tgattccaga 720
aattagaaga ctggatctgt ggaatccata catgttataaa ttttgccaaa atgagatgat 780
taaaattttt gtgagtttta taaactgttg cagttcgctt tactgatttt tcaatgataa 840
tcacttttat gggaaggggg ctttaggaaca aaaaactttg ccaagaatgc aaaatcttac 900
tggtttttta agcttgtaac agttgtgtgt aaaactttta tatttgaaac gtaaacacac 960
cctttctgcc actgctttca ttgcactttt cataccaagt tctctccaac gtggtgtctg 1020
aaagattttt attatataca ctctttatgg aattcaatga agtgtgggta tgctgtgttt 1080
ctgaagtttt taggcttttc ttcatgggcc tgcctaatac tagtgtgttt ctataacttc 1140
agatgattca aaagtttagt gcttcattgt agcaaaaaat gtatataact cataatatcc 1200
tacatgtagt attcaaaatc aattattaat aaccaataaa ggactcaaca cattttcatt 1260
gcgtgttctt ctttaagaca cctaaactca tatctcataa tttctgaatc cgcaatccct 1320
attcattaat tgattacagt ttttgagttg ttggaaagcc tagccctctc agattcaggg 1380
ttcagaaaga attaccaggt ctggtaaaat tgtctgacta gcccttagcc tcagaatggg 1440
caacttcata gtataagcaa agaaagtggg gatctcataat agtcagcttt ttcatgaaca 1500
ttaattcatg gtgaatgcac tcacagcaac caaaatccaa aaaaaaaaaa tgttcatcta 1560
aaaccttaaa cattagcttg gctcattgag ttcttggtac aacctgcttt tcatatgaca 1620
cagtatcaaa catgatttca gatgaaatgg gtggtgttaa tattgtgtta aagaaa 1676

```

<210> 1232

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1232

```

attacaggca tgagccactg tgcccggcct tcctttcttt ttaataagtg tatgtatctc 60
aaagccattg ccttctctag aaatctgttt ctctgttctg gaagagccta taaactttgc 120
cttcagttgt ttttcttttc aaaagggaac accagtggta gatgattaac tcttatttat 180

```

778

```

ttttaaaatt taatttggat ctatagtcag tatctgagat ttataggatg aactttgggt 240
tacaaggaac agtgtagtta aaaagttagg gtgcctatgt tcttatgtaa tcatcaacat 300
gtttgttgta taatcatcaa ctttttctg aatgcaatga tgaacatttc aaacaataaa 360
tgaaaatgaa actaagtatc aggaagtagc cagt 394

```

<210> 1233

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 1233

```

cttacatcta ttttgattga cttgaaataa aatttaacac ctcaggggaag gcaattctca 60
tgtgttttga attatactga gcattaattc ttcaggataa ttatagactt ggaaagggtt 120
aaccagtcct ccagtcctat gctgaagttc ctttaagtga taggaggaac tcataatcta 180
caaggcaacc caatccattt ggtgctacca tcgattgtta taaagcccat ccttgggtta 240
aatctacta tttacagttg tatttaatga ccttaattct gccctcaagc tatataaaat 300
ttggakctgt kttctacatr ataatctttt agatawctta aggtagttag tctatcctct 360
cnacccttcc cctcacagtt tttccaccct ttggagataa atatccttcg ctattccaac 420
tattttctcat atggtatcat tttaatcatc ccnattgctc cctaaggatg ttaaactttg 480
ttnatgtccc ttccaaaatg t 501

```

<210> 1234

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

779

<400> 1234

```
cagccccggc gtccgccccg ctgccccctc ccccgggggc catggggggc cccccgggt 60
accggccctc agcttgggtg catctcctcc accagctgcc ccgcgccgac ttccagctcc 120
gccccggtgcc cagcgttttc gcgccccaga gcaggaatac cagcaggcct tgttgctggt 180
ggcggccttg gcgggcctgg gcttgggcct gagcctcatt ttcacgctg tctacctcat 240
ccgcttctgc tgctgccggc cccccgagcc ccccggtgcc aagatccct cgccccgggg 300
aggctgcgtc acctggagct gattgtcccc ttntcgnccg ctgcactggc attggcatcg 360
g 361
```

<210> 1235

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 1235

```
caaaaaaaaaat aaaaaagaac agccttttta ggccacagtg acctgcgcaa tgtttatatg 60
ctttgacctta ctaactttct cctaactaaa tatgtgatt taggagagtg tttaaataaa 120
ttacagtatg tctatatgat gaaatgttat ttgtccatta aaattttgtt tacaaagata 180
atttttattg acataaaaat aactttaatg taattttatgt tgaaaaagct gaatacaagt 240
ctttatatag agtaatatat gagctgtgtt caaaaataca taggaaaaga ctgataaaat 300
gaaatatggc aaaatgttaa tagttttccc tggaatagga taataggcaa ttttaaaaca 360
gactccttta aaaaaacaaa caaacaaaaa aaacatagac ttctttatat cttttgagct 420
ccctcccttt tattatgtaa tgaatatgtg ttgcttttgt aataggaaaa taataaagtt 480
aaaatttcaa ctgcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaanccn 548
```

<210> 1236

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<400> 1236

```
tgagttcctg tgtgcctgtc acccagcccg gccacaagag gtgctggggg cagtgtccac 60
accccccttt cttaggacgc ctgagtctca gatgtgactt atagggtatt tcttatggca 120
agacagttaa aacaaacttc agcgtctcgt ctgtccttct atggctgtgg cttctgatgt 180
tctaattggc ttctcgtcag ccggggctga gnaacaaaaa aacatagact gtggggctta 240
```

780

```

aacagcagaa acttacttcc catggttctg gaggttggga gtcttggatc accgtgtagc 300
atggtcaggt tcctggtgag ggtgggattc ctggctaacg taacgaaggc tccctctcct 360
gataccgtgt cactgggggt gaggcttcaa cacaggaatt ttggggggac acatcagcat 420
tactccatc acaggtggtt agccctttaa tccacgggaa ttttgttgg gggtgtgtga 480
gatacgggtc taacgttttc tttttcaa atcgtagccag ttgtcacatc atttattgaa 540
aaaggaatct tttctccacc gactgacatg aaatgctacc atcatcgtaa ataaaatttc 600
cgtaaatact tgctgtctct gctgtctcag tcctgactca cgggctgagt tctctttctg 660
cacagtagca ctggcattaa ctgtgacagc ttacacagcag gctccctccc cgaggccgtt 720
cagaagcatt cctcagcggg tcctacacgt ttctctctccc atgtcaagtt taggaagcag 780
tgtcaagacc cacagcagtc ctgcgggagt ttaagggat gcacggagtt tatggggaca 840
gtttgggraa attgacattc atgtgg                                     866

```

<210> 1237

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1237

```

gaaaagtgtg gaggctaggg caggcagggt gttaggactg aaggtttgcc cattctgctg 60
cctccatctc agctccagct ccatccccct ctccacagaa agcagttggt gacacgaggt 120
tctatacttt tcttctgttg ctctcttgac ttaacgtgaa aacagggtat atttgaacaa 180
actgtctgtc ccaggcaggg gctgggcagg gctgtgtgtc cttgctcagc ctcttgacag 240
gacacttttg ttgcacttag aatttacatt ttaatggatg taaaaacaac tgtgagagat 300
gtctgggcct gcagaagtc agcattgtc aaaaaagcgt gtgttctagt gaacattttc 360
atatatatatt attggttata gcctgttaaa atattttctt ttttgtatta tttatcccc 420
tacattatgt atttatatga gggaaaaaaa ggaaaaaatt gtactttttt agtatattacc 480
tgttacaaag gacattgtgt ttctgtcat gtaaaaccag ctatttttagt tactattgta 540
ctctagaaaa gagctgtaga tttatgttaa actcgtactt acgaacaatt gtaattagtt 600
ctaaaaggca tgaatcagc tcctaactgt cactgtatag tcctgaattt gtagaactag 660
agttaattcc ctcttggaac tttctttgtt cttcagtagt tacttttttc cttacctaaa 720
agggttgtct gtcaaacaat tcttgaataa actttctgtt atcaatttta aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa                                     799

```

<210> 1238

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

781

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (672)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (700)

<223> n equals a,t,g, or c

<400> 1238

```

ggtattactg gagaattgtc catattttaat ataatttaac tgtctttctg aaagaataaa 60
gaagttttta tttttatttt ctttaggttag aacaaaaccg aataaaacta cttaatgata 120
aagctgttgc tacatcacag cttcagaaaa aacttgggca gcttcctttac ctaactaatt 180
tggagaagggt attgtttcta agacatgcta ctttttecta tgctgcatta tcataaacca 240
ctttagtgcac tcctttcata attaatgggtg caaattgttg taattagtat ttgggtgttat 300
atgagtcaag aacactacct atgtctctac aatagcttcr agatcacaaa agaattattgt 360
atctatagaa atttattatg cagatgatat agaaggcatg cactcgatag tagagaacaa 420
tgtaaatgga ctgtagttca aagccttgaa tagtaaaagt attaaaacat atctcgggtga 480
aactggcata atgcaattta tcacatgcat tcattcatca atacaaaaat atgggtgnaat 540
ttgggtatttg aaactgaagt gtgggttcgaa agctactaaa tcagagacat ggnaataaaaa 600
ggagactcaa atattagtaa ntcaaaacac atgtctgggt atgacngaga ttatccggca 660
ctgggtgaatg gnggncattg ttaaaataat tcatttttgn cggaaaaatt tgtaattga 719

```

<210> 1239

<211> 339

<212> DNA

<213> Homo sapiens

<400> 1239

```

agtctgcctc agcctcccaa agttataaga tttttttcct ctgggttttta gtaaatgttt 60
tttttgagat tgcttagcac cagaatgatt tgcaaatttg aaaataggaa ctccactagg 120
aatgccggat agaagagtg cttcacatttg tagagggaga caagaactaa atatcacgac 180
gtctttctga gccttttgggt ttgctaacgt gccccaaatt cttattccaa acggtataag 240
ataattatgt gtaaatgaat accagctcta cttagtttta tttcatattt gtgtatckga 300
tatattaaaa tatctttttt ttttttttga aaaaaaaaaa 339

```

<210> 1240

<211> 229

782

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<400> 1240
gcaggcgtga gccactgagc ccagcctact tttmagtttt waacataatt tttgttttat 60
ccacaacttt tcaagtattg aaagtagaat aaaaacatgg gttcttagtc ttttgctatc 120
tggtgaagcc tatgaatgcc ttcttaaaat catgttttta aatgccttaa atatatngga 180
ttacaaagga atcttattat tcgaaatacg gtnttaaaat gtttaaaaa 229

<210> 1241
<211> 1075
<212> DNA
<213> Homo sapiens

<400> 1241
gccccagctc gtgccgaatt cggcacgagc agtttttaac ataatttttg ttttatccac 60
aacttttcaa gtattgaaag tagaataaaa acatgggttc ttagtcttta gctatctgtt 120
aaagcctatg aatgccttct taaaatcatg tttttaaatg cataaaatat ataggattac 180
aaaggaatct aatttatatcg aaatacagtt attaaaatgt taaaagataa gtttgttata 240
tattaatatg catgcttctt tataaatgca ttaaataaga gttaatagct atcctaaatt 300
tgaaatagtg ataagcataa tgaaaataga tgcaaaaaac taatgtgata tgaaaatata 360
tggtgttttc ttttgatgat gaagtattgc taatattacc gtgggtttatg aactatgttc 420
agaattgaag aaaatcctaa ctttcagtta gaggttagtg acgggggttc ggacacccta 480
cacaaaatac agcactttga catattgaat attttaagct gaaggcattt gaggaaattg 540
cagaagcagg aaggtgactc tgaccttctg cctgctgttc tccccagaag cagccataaa 600
acctgggaag gattttctga ccttccccctg aagtagatca taagactgtc atgtaagagg 660
tgctctcctg gcacccagag aaaaggagca tccttacctc caaaagcaca gggacacaaa 720
gaggaatcta aacaaacagg cctctcagtt tccccagtt tattacattt agcttgttca 780
cactttgccc tatgacattt ctacatcact ggctgctctt catcaaacct actataaaaa 840
acattcaagt tcaactgttt ctttgggcct ttatttcctt atggagsccc tcgtgtcgtg 900
taaaacttat attaaataaa tgtgcatgct tttctcttgc taatctctct tttgttatag 960
agatctcagc cctaaacctt ggatggatag aaggaaacat atgttctccc ctacattagt 1020
aaaaataaaa atggaatttt ttacccataa aaaaaaaaaa aaaaaaaaaa aaaaa 1075

<210> 1242
<211> 336
<212> DNA
<213> Homo sapiens

<400> 1242
gatgggattg tacactttct ggttctctct caagtccaac cagtatgtgg taacctgtct 60

783

```

cttcccactt catttgtggc actgggtttgc agtggacaaa aggtccgtgc tcctcttcta 120
acctaactctg gactgggttg cccaaagggt gccctgccac actgccaagt gcctaattag 180
ctgtttttctc tccaaccctt ccaaacactt atcatgagta atttctcttg tctttakagt 240
tgccaaatst aatctctgta aatacaaatg tggtgagact tcttctcagg agtttcagca 300
aatgaaacaa taaactcttt tttaccctga aaaaaa 336

```

<210> 1243

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (752)

<223> n equals a,t,g, or c

<400> 1243

```

gggtcgaccc acgcgtccgg aatgttttgg tgaataaatc tgttcttcag caaccctacc 60
tgcttctcca aactgcctaa agagatccag tactgatgac gctgttcttc catctttact 120
ccctggaaac taaccacgtt gtcttctttc cttcaccacc acccaggagc tcagagatct 180
aagctgcttt ccatcttttc tcccagcccc aggacactga ctctgtacag gatggggccg 240
tcctcttgcc tccttctcat cctaattccc cttctccagc tgatcaaccy ggggagtact 300
cagtgttcct tagactccgt tatggataag aagatcaagg atgttctcaa cagtctagag 360
tacagtccct ctctataaag caagaagctc tcgtgtgcta gtgtcaaaag ccaaggcaga 420
cgtctctcct gccctgctgg gatggctgtc actggctgtg cttgtggcta tggctgtggt 480
tcgtgggatg ttcagctgga aaccacctgc cactgccagt gcagtgtggt ggactggacc 540
actgcccgtc gctgccacct gacctgacag ggaggaggct gagaactcag ttttgtgacc 600
atgacagtaa tgaaaccagg gtcccaacca agaaatctaa ctcaaacgtc ccacttcatt 660
tgttccattc ctgattcttg ggtaataaag acaaactttg tacctcaaaa aaaaaaaaaa 720
aaaactcgag ggggggcccc gaaacaaacn gn 752

```

<210> 1244

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1244

```

aaaattagac acactttaaa ccttcaaaca ggtattataa ataacatgtg actccttaat 60
ggacttattc tcagggtcct actctaagaa gaatctaata ggatgctggt tgtgtattaa 120
atgtgaaaatt gcatagataa aggtagatgg taaagcaatt agtatcagaa tagagacaga 180
aagttacaac acagtttgta ctactctgag atggatccat tcagctcatg ccttcaatgt 240
ttatatgttg ttatctgttg ggtctgggac atttagttta gtttttttga agaattacaa 300
atcagaagaa aaagcaagca ttataaacia aactaataac tgttttactg ctttaagaaa 360
taacaattac aatgtgtatt atttaaaaat gggagaaata gtttgttcta tgaaataaac 420
ctagttttaga aataggggaag ctgagacatt ttaagatctc aagtttttat ttaactaata 480
ctcaaaaatat ggacttttca tgtatgcata ggaagacac ttcacaaatt atgaatgatc 540

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784

```

atgtgttgaa agccacatta ttttatgcta tacattctat gtatgagggtg ctacattttt 600
aggacaaaga attctgtaat ctttttcaag aaagagtctt tttctccttg acaaaatcca 660
gcttttgtat gaggactata ggggtgaattc tctgattagt aatttttagat atgtcctttc 720
ctaaaaatga ataaaattta tgaatatgac ttaaaaaaaa aaaa 764

```

```

<210> 1245
<211> 368
<212> DNA
<213> Homo sapiens

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```

<400> 1245
ttttggatgat tccgtagtca actatcgtgt tgccttagct ctctttcaag tcacaaacac 60
agctggcctt aagtatttat ttaagcatct ttatatcctt gtttacttta aactccttga 120
attagccatg caataatttg ggtatgttgt attaagagct ctaccacatt atgggttcagt 180
cattgtataa ttaaacatga ggcacaaaga atcaaaagtt actgttttac ttgcctgctc 240
tctccattgt gtcattttac atttttagtag tactgtgttt tgtttattaa aaaaagtaaa 300
tcaacatata ctatgagggtg gaaaatggta cagaggccaa atcattctag tccggagggtg 360
gcattttcc 368

```

```

<210> 1246
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<400> 1246
ggcacgagga gaaaactacc tatgacagtg ccgaggagga aaataaagag aatttatatg 60
ctgggaaaaa tacaaaaatc aaaaggattt acaaaaactgt ggcagacagt gatgaaagtt 120
acatggaaaa gtctttgtat caggaaaaatc ttgaagcgca agtgaaacct tgcttagagc 180
tgagtcttca gtctggaaac tctacagact ttaccactga cagaaagagt tccaaaaagc 240
acatacatga taaagaagga actgcaggaa aagcaaaagt aaaatcaaaa agaagacttg 300
agaaagagga gagaaaaatg gaaaaaatta gacagctaaa aaagaaggaa acaaaaaacc 360
aggaagatga tgtagaacag ccatttaatg acagtggctg tcttcttggtg gataaagacc 420
tttttgaaac tgggttggag gatgaaaata actctccatt ggaagatgaa gagtcattag 480
aatcaataag agcagctgta aaaaacaaag t 511

```

```

<210> 1247
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<400> 1247
cggaggaaca ggttctgaat gccgcgctca gggagaaaatt ggctctcctt gccgcacatg 60
ctcgagcccc gcacccaaaag gtgatgggggt ctgggcgtgg ggcttcctcc atgtaccccc 120
ttacccggat ccttctctccc aaagtgtaac cttgcttttg gcccaacctc ccaacaggag 180
ccacctgggc ctggggccaga catgaccatc ttgtgtgacc cagaaacgct attttatgaa 240
tctccacacc tgaccttga cggctctgccc cctctccgac ttcaactccg gccccgccct 300
tcagaggaca ccttctcat gcaccggaca ctgaggcgat gggaagcgta gaccccaaaag 360
atccctggag ggctagtctg tattttttgtg ttaaaactatt tgtagaata aagtaatttt 420
gctaataaaa a 431

```

```

<210> 1248

```

785

<211> 2058
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1962)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1964)
<223> n equals a,t,g, or c

<400> 1248
cccacgcgtc cgccccacg cgccccacg cgtccggatt catctaaacc cattgtaaga 60
gagtcattgga tgactgaact tcctccagaa atgaaagact ttgggtcttgg gccaaaggact 120
tttaagagaa gagctgatga cacatctgga gatcgatcaa tctggacaga tactccagct 180
gatagggaaa ggaaagctaa ggaaacacaa gaagcaagga agtcatccag taagaaagat 240
gaagaacata tattatcagg aagagataag agactggctg agcagggtatc ttcatacaat 300
gaatcaaaaa gatcagaatc tcttatggac atacatcata aaaagttaaa gagtaaggct 360
gctgaagaca aaaataagcc tcaagagaga ataccatttg accgtgataa agatctcaag 420
gttaatcggg ttgatgaagc tcagaaaaaa gccctaataa aaaaatctag agaactaaac 480
accagatttt cacacggcaa aggcaatatg tttttataag gggatttccc tgtgcaatga 540
agaaaagtgg aagaatactc tttgtccatc tttatttctt tgtttttggc ttcttaagat 600
tagagattac tttaattctta aaaaacatac aaattttacct tgttctgtat gtccttttaa 660
ggtcattgtg aaacataaaa cgaatgtttt ttatgtagaa cagaatattc tatgtgcctt 720
tagcttctgt ggaagtatgg ggaattatgg gcttttcttc aaataattat tttaagaggc 780
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agtcagtgtg tcaagtcctt cctgtaaatc catgactttg aaatttgttg ttttttccct 960
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ttttgtaatc agtttgcttg ttttagcact cagggtttt tatttgttat ttaatttttt 1080
aattgttttt aagtcagaaa gatctctggg ttatctcatg tgctaaggaa aaactatttt 1140
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agtcattgaat agcctttttt aaaaatttaa taatccctga atacaaaaat ggaaatggaa 1440
aatttataat cataaccccc ctaattggga gtattataag tttgtaatgc tttaagcact 1500
gcctcttaag atgataaatt tataagatga gaaattctat ttaaaactatt aaactattgt 1560
taaataaatg ccaattctat aagttatatt ttcttgcaga ttaatcccaa ttgttccact 1620
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gatgaagctc agaaaaaagc cctaataaaa aaatctagrg aactaaacac cagattttca 1860
cacgggcaaa ggcaatatgt ttttattaag gggrrttccc tgtgcattga aggaaagtgt 1920
aagrattact ctttgtccat ctttatttct ttgtttttgg gntntttagg tttgggggta 1980
ctttatctta aaaaacatac aattttaccct gttctgtatg gtccttttagg gtcagtggga 2040
acataaacgg atgttttt 2058

786

<210> 1249
<211> 943
<212> DNA
<213> Homo sapiens

<400> 1249
ctgcattctc tcggaagtca caccttatac cacatcaaag gacacatacg ggtgagaaac 60
cctatggatg cagtgaatgt aggaaggcct tctctcagaa gtcacagctg gttaatcatc 120
agagaattca tacaggagag aagccttatac gatgcattga mtgtgggaaa gctttctcac 180
agaagtcaca gctcatcaat catcagagaa ctcatacagt aaaaaaatcc taggaataca 240
gttaatagta gtctttgaca gatcatcttg gacttcagga aatgcaatta tgataacggt 300
tgtagacagt cacgtcatgt taggtgtctg tactccatga ggatgagAAC tctaagagg 360
tggtgtatgg aaagccgatc ataattcmta grgtagagkg aacctwtgac tgcagtggat 420
ctcaaaaact tttaaaacca tagacaagcc ttatagagta gaacattcac agcaaagaag 480
aatcctgtga atgtccaaaa gccttccaga agtcaagtct cttaaagctat tagaaatatt 540
cccactgggg atgaggggaaa accccatgaa tgcgggaaat gagggcaatat ttttaagaaa 600
tgacagttca ttgtacataa gaaaatgctc ttaggaatga agttctatga aagtactaaa 660
tatgggacag tgcaacaagt aaccagacta ttttgtattt tggagaattc atattatgga 720
gaacctaaca atttaaagac actgggaaca cttgccccctc agtatagtac tgtcaaggga 780
agccatacac tttttgtaga catgggtacc aaaaataccc aattctaagt ggttgacaga 840
tgttcacttt gaagtgtgaa gttttaaaaa tacgtgaata aattgggttat tgaaacatct 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aag 943

<210> 1250
<211> 2231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1918)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2214)

787

<223> n equals a,t,g, or c

<400> 1250

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gcgggccgcca agcgatccct gctccgcgcg acactgctgt cccgcgcaca gangaggcgg 60
tgacgacttt acggcggcac ggtaagtgcg tgacgctcgt cagtggcttc agttcacacg 120
tggcgccagg aggcagggtg ctgtgtttgt gcttccttct acagccaata tgaaaaggcc 180
tagtaagtgg ggtcgagtcg cgggcgtgga gggacccacg tctggaagtt gctgcagcca 240
ccacgacgct cttctacggc tacggctttg tctctgctgg tatgggggtg ggagcctacg 300
cgtaggcctt ggccctattt cctggtagaa ccgagagttg gaagtcctta cggcgatcat 360
gttaaccgcg cgggctcatt ctgcggaacg aagccgggca gagggtgggg aagactaggc 420
tagattttcg taaggaagca gcgtctgagc cagggttgag gcccaatatt ttctttccgt 480
ggscacgtgc agactggccc aggtgagagc tgagaatcgc ctcccagact cagtgttcc 540
ctcctgcctt atgattcgtg ctgtttgaca cgaaggata ntcgttttgt gtctcatagc 600
ctgttgtgta tgatcccat ctaatatgtg gagggtaagt gcagggaatt ttgactccat 660
tctggatcta ctgaatttaa ttctctggga ttgaaagta gcacgtatgt ttgcattagg 720
catttcgcat tagacttaac gttagggttg gtagccaatc acacaagaaa aggatataac 780
tccatagtgc gttaaccag aactaatcat ttgggttaac agatttgtga tgtgtttctt 840
tgtagagtta aagaaagcaa gtaaacgcat gacctgccat aagcgggata aaatccaaaa 900
aaaggttcga gaacatcatc gaaaattaag aaaggaggct aaaaagcggg gtcacaagaa 960
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gaaggaaacta gaaaagaaaa gaaaacttga aactaatcct gatattaagc catcaaagt 1140
ggaacctatg gaaaaggagt ttgggctttg caaaactgag aacaaagcca agtcggggcaa 1200
acagaattca aagaagctgt actgccaga acttaaaaag gtgattgaag cctccgatgt 1260
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gaagaatgct gctccattca gaagtgaagt ctgctttggg aaagagggcc ttgggaaact 1560
tcttgagggt ttccaggaaa cttgcagcaa agccattcgg gttggagtaa ttgggttccc 1620
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tgtatccatg gggcttacaa ggagcatgca agttgtcccc ttggacaaac agatcacaat 1740
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aatTTTTTtac trtgccttgc cagagaagag gtatgcacca aaaagggtggr atcccaaagt 1980
ttgaagggtgc tgccaaactg ctgtggtctg agtggacagg gtaagcytyc ttttctgttg 2040
gcatttttggg gaccactaga ataaaccttc ttttgacaca tcttattttt aatatcagt 2100
cctcattagc ttactattgc catcccccta catcttggga ctctcctcc atattttaat 2160
gagagtattg tggtagacat ggaaaagcgg ctccaatctg ggangtactg gganaagatc 2220
aattgcacag a 2231

```

<210> 1251

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

788

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 1251
ctgagagaaa ggaatgaaag gatggaagaa ttacaagatc aggcactgct gtstgtctgt 60
tccacggatg taaccacagc acacgcgtgg ctacaggtag tagtgtgata aatgcttggt 120
acatgaaggc gtgaacaggg atgagaagag acttcctgga gaaacaaaag gactaacaat 180
caggaagggg aggtgatcgg ggcaggagta aagtggacac ctacagcaaag ccattcgctg 240
tgatctctga ttgtgcagtg tcatgtcctg tncaccagag cccctcgtg tttgatgttg 300
gccaatgccg ccagcatgat ctacgaggcc aawtcctwat ytaccattct yttgacacca 360
gttggtccct gggttcgtnc cacccgatgt tccnctttt tccccatttg gg 412

<210> 1252
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 1252
gcttgagggc tttggcatcc tgagagcctg cctgggggga ctgtcaagtt gccaagggca 60
aggagagggg agccaactgc ctctccacc tggctgctca gccagggtct cctgccttca 120
aaggacattt ctttggtcag gaattgacaa gaatgagccc agagtcattc accccaaggg 180
tgtgtggcaa ccatcccttg ctcaacaccg aaagctgtag aatcatagtg gggaaagaag 240
caacttcctc agaagcagtt gtctaagtga cacagcttgg aaagaccttg gttcttctgg 300
atcatcactg gggggatatt tcgcanaaca agaaattgca tgccccgtcc atcatgttcc 360
acccccngcc cagggcaccc cgattgatct gcccgggctc tctccttcca ggaagt 416

<210> 1253
<211> 2735
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

789

<222> (74)

<223> n equals a,t,g, or c

<400> 1253

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cagtttttaa atgggatttt gagaatggac ttaactttcc tggaatccaa tgctcctgga 60
gatttatgac tttnccagcc atcagccagc tatctagaga agatttttgt ttttcttttg 120
caacagtttc ttcagtcaac tcattcactt tcaaatagga gcagcacttt gaaatccttt 180
ttcttcaactg tggattaaaa acatccaaga agccatctct gtcaagcaga attgtcatct 240
gtggtaataa gtgaccatgt cctaaatacc tttttcttag tgaggagtgt gtcattgtct 300
ttgggcatct gcaacccctg ttcaggcatg tgacctgcta aagaaataca gcctacacta 360
ccttgactac tggggaaaaat gatacttcgt aaaatgtaat aaggcaacct gttccttggc 420
ctttatctta tgttttccaa ctattactgt atctgttatt ggtctactat tacaggatga 480
ttcttcttcc tccattgac tcaactaaat atgaattagg gtcattgcatg aaatctgaac 540
tgccgtgtcc tgagttatgg ttaagaggta tgtgctgcca ccccatgcat gtcttcccca 600
tccccatagg attttaaagt gttcagggtac caaacacagt tctgtgtgag gttttatgcc 660
tacttcctca acaccaattc agaggcaaca cctgtgcatc tgtcccacca aagggtgctt 720
aatacctacc ttcactattt gagaaaggac actcacagtt gcctgtgggt tatgaaagaa 780
ttggccctac gtccctgcatg taagatgtta caggggacat tgggccaggc attattatat 840
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cagcataggc ctataggcag cagccttact agtaaactct gccacagaat cacttgaagc 960
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ttttataacc catgggcaaa tcatctgagc tttctcatct gttaaagttag ggagaggaat 1200
taattagttg atctgtaaaa taatcagctt caaacgtta tggctaaatc tgtagaatgt 1260
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ggaagtgttg gaaaaaagat tagggcaggg tacccttagt ttatataggg taaaaagaa 1560
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cagaaagtgc tttttatatt ccagattgct tgaattaaac tgtttggatt aaagaacata 1800
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atctcatatt cagcgaatat ttattgagaa tattgttgag aatctcttac atgccaggca 1920
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ttactggctt cgagtacact ttatttaagc agttactagt ttaaaagcac ctgtaataac 2220
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cttggataac acttggtctaa gttttctgac taatgctgga tcaggtagaa attcttttagt 2340
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ctttccaaaa aatgcacctt aaattctaatt ctctgtatct gtgagtctcc agtttttcaa 2520
cccaagcttg acgagttgtg ggacctctc caaatgtttc aacaagctgc tcaggctgcc 2580
ttgcacgtca cagccccagg gcagcatcag tgcggtgagc tgttctagca cgttcacctc 2640
gtcgatcagt tcatgaagag cttcattttcc atctttttcc aggtaatttt ctgataaatc 2700
aagaatgctc agtttgacca aattgtgctc gtgcc 2735

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790

<210> 1254
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (683)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<400> 1254
gggtgctttc cacaacatgc atcgagacca tcttgaggca tttacttttg aagcattttg 60
tttaagaccc cggataagaa aatgaggggca aaagaggtga agtgacttgt ccaagatcaa 120
cagtgaatta ttagttggaa cgccagcctg atactcctag ctatatctca ctggaaaagc 180
attggagaaa atgaaacat tttaatattc taagcttaaa taatagttaa tataggcgtg 240
agccaccatg cccgaccagt ttctgctttt attaaaattg ttcacagttt tatacattca 300
tgttcattaa aaatgctatt tagaaaagag ttgataaaaa taaatattat wcaaaattcg 360
aagaaaaaag aawagagttt ctgtttcagt cacaaattag ggttattgtg atgtgtattt 420
atgatgaccg ttgaacaaat gtgaagaata ctgtgaattc tatgacttta tcaaaatcag 480
ccacatccag gagcttgacg ttgttgacca aatgaatgat gacatagagt agttcagatc 540
tatcatgtgc tcttctatct aatcagtc aaatttccttg gccctcaagc caacattcat 600
tttttatgna taccttcttc atgattttga aattttgata ggggtaactg nttaatggag 660
ttcccaaata gtagcacttt tnnaaaccca ant 693

<210> 1255
<211> 462
<212> DNA
<213> Homo sapiens

<400> 1255
gctgtgtcca tgatgctttt aataaaaaa acccccactg cagtctcacc ctccaagtgg 60

791

```

gtgtgggagg cggggtggc cagcagaagc cccaggcct ggactccatc catctgctca 120
gacaacagca gggagagcgg ggggtccaggt ggggcagctc cctcccttcc acccctctcc 180
gccccctctg aggccccatc aggagcagga cccctgtgcc tccgtgggtct tgccctgttt 240
gcaggcagca tgtggccctg cagtccacaca gcctggagac accacgagtc ctggcggcct 300
gtgtgcaraa aggcacctac ggcycctggaa gcccagttgc ggaaggaggt tgggggaggg 360
acgccgggag ggaggtcatg cagcctctgt ggccagcacc accctgacgg tgccctggag 420
gtggctgtca cctgaccgtg ggcagaccca cagagcaagg cc 462

```

<210> 1256

<211> 1037

<212> DNA

<213> Homo sapiens

<400> 1256

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gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc cacgcgtccg 60
cggacgcgtg gggcaagact tttgcccgt acccttcatt ccggcgtgac aacaatgagc 120
tgttgctctt catactgaag cagttagtgg cagagcaggt gacatatcag cgcaaccgct 180
ttggggccca gcaggacact attgaggtcc ctgagaagga cttggtggat aaggctcgtc 240
agatcaacat ccacaacctc tctgcatttt atgacagtga gctcttcagg atgaacaagt 300
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cagttatcag ctgccattgc tccctgtctg tttcccact ctcttatttg tgcattcggt 960
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aaaaaaaaaa aaaaaaa 1037

```

<210> 1257

<211> 1271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<400> 1257

```

ttcagtcaac attcacgtct tgcagtgcat cggagaattc atactggaga gaaaccttac 60
aaatgcaaag aatgtggcaa ggtcttcagt gaccgttcag cttttgcaag gcatcggaga 120
attcactactg gagagaagcc ttacaaatgc aaagaatgtg gcaaggctct cagtcaatgt 180
tcacgtctta cagtgcactc gagaattcat agtggagaga aaccttaca atgcaatgaa 240
tgccggcaagg tctacagtca gtattcacat cttgtagggc atcgaagagt tcatactgga 300
gagaaacat acaaatgtca tgaatgtggc aaagcnttta atcagggctc cacactcaat 360
agacatcaga gaattcatac cggagagaaa ccttacaaat gcaatcagtg tgggaattcc 420

```


792

```

tttagtcagc gtgtccatct tagacttcat cagactgttc atactggaga cagaccttac 480
aaatgtaatg agtgtgggca aaacctttta aacggagctc aaacctcact gcacatcagr 540
taattcatgc aggaaagaaa ccatataaat gtgatgaatg tggcaaggta ttcaggcata 600
gttcacatct tgtaagtcac cagagaatcc acactggaga gaaaagatac aaatgtattg 660
aatgtggcaa agcctttggg cggttgtttt ccctcagcaa acaccaaaga attcattctg 720
gcaaaaaacc ttataaatgt aatgagtgtg ggaaatcttt tatttgtcgc tcaggcctca 780
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gcccattggg aggtgattga atcatggaag tggatttctc aaactgagaa agatgtagcg 1020
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tgccttccac catgatttta accttccctg ggcttcccta gaggggtgatc agatgccagc 1200
accatgtttt catttaagcc ttcagaaata tgagccaatt aaactctttt ctttatacat 1260
taaaaaaaaa a 1271

```

<210> 1258

<211> 849

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (806)

<223> n equals a,t,g, or c

<400> 1258

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ggtccgcgcc ctgtcgggct gagcgagttg gcccacagag ccggcgcgct cccgcctgca 60
gggggagagc agacggggcg ggggacggcc aggcgcggcg ggtgctgttt ctgtttcact 120
ttccttcaact ctgaggccgg cgcgctggcg ggcgaggagc ggcggcgggtg gcgctgkaca 180
tgggaaagcg gaaccaccaa aaggagtgat gatcaacgat ctcatgataa atctggatgc 240
tagttctcat gcctcaggac atcctactgg gaacgacaca ccagctcctg ggatcagact 300
ttcatctact taggacccct ctttgcccag actactaaag ccagtcttca ctageccacga 360
atggctaccc aaaggaaaca cttggtgaaa gattttaatc cttacattac ctgctatatac 420
tgtaaagggg atctgatcaa gccaacaaca gtgacggaat gcctccatac attctgtaag 480
acttgtattg ttcagcactt tgaagatagc aatgattgcc caagggtgtgg caaccaagtt 540
catgagacaa atccattaga aatgttgagg ttggacaata cattagagga aattatattt 600
aagctgggtc ctggactacg rgaacaagaa cttgagcgtg aatctgaatt ttggaagraa 660
aataagcctc aagraaatgg acaagatgat acttcaaaag ctgacaaacc gaaagtagat 720
gaagaagggt atgaaaatga agatgataaa gattatccac aggaagtgcac ccacaaattg 780
gctatctgtc taggttgttt tacggnatta atggggccat tcggggggaca tgttggtaaa 840
gggttttaa 849

```

<210> 1259

<211> 622

<212> DNA

<213> Homo sapiens

<400> 1259

```

ggaatttggc ccatccaaag actggccaag tgccaaaaaa aggccctgatt aggccctgaa 60
attcagtga aattctgcctg aagaaacctc ttattgaatt tgaaaaccat aaaccatttc 120

```

793

```

aggtgagctt atggggtttgt tttggggtttt tttttttttt ttttaagtctc tggcccaatg 180
tacgtgggat tagattctgc aagcaggcag cagtaagtat aagctaattt ctgtctataa 240
aaagaatgat taaaaaaaaat ctttttggtg atgtgtggaa tagagattat cacacacatc 300
attaagtggg aatgtgatga atgatacaaa aacgaacagt cttataccca gcacacagat 360
cagaacaaag taactatcaa gcaccttcaa tgccccctc akgcctcttc ggattawtaw 420
tgcawccttc ctatagagag gtaagcacct cttgattatc agcaccatgg gagatgtttg 480
tctgattttg aacttctgta aatgaaatca tatagtatat actctttgga atctgttgtc 540
ttttgtagag ggaacttttt cattataaat cttatagtag tgttggttct tcttcccatc 600
aacagtgttc ttttacttaa aa 622

```

<210> 1260

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 1260

```

tctgggtccc caggggtcca ctcccgcagc agccccggctc cgtcgggctc agtggagccc 60
caggcctggn tccgagatga gcgagacgct gctctggctc gcggtcgccc gagegctccc 120
aaaaccaggg aacaggcccc aggagagaag cccctagaag tttcctggag cagggagtct 180
cctgtatcct gttagctctg caaaggaatc tggactttat tctgagggcc ttggagaacc 240
cctgcaaagt tttttaaaag gtggactaag agattggcat ttcacaacat gactctccga 300
attgaaacac taagaagatt ggcgaaatth aacattttaca gattagtaat ttaaccagg 360
tgactcgcca tgaggacat ggctaccctt cactttttgga gggagtthta agtgatacag 420
atctttttgc caagcaatth tttttttttt tttgagacgg agcgtntthn t 471

```

<210> 1261

<211> 647

<212> DNA

<213> Homo sapiens

<220>

794

<221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (636)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (644)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (647)
 <223> n equals a,t,g, or c

<400> 1261
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 tgaaatgtgc atttgtcatc cccactccat caatccctga ccatgtaagg cttttttatt 120
 ttaaaaaaac agagttatcc caatacatta tcctgtgatt taccttacct acaaaagtgg 180
 ctctgttttg tttgatgatg attgggttta tttttgaaat atttattaag ggaaaactaa 240
 gttactgaat gaaggaacct ctttcttaca aaacaaaaaa aagggcagaa atcaccccaa 300
 ggaacgattt ctcaggttga gatgatcacc gtgaatccgg ctctctctga gcattcgatg 360
 gccttagcac ctcacaaagc cagcacatcc tgccctgtgt tgcagcctgg ctgggtttat 420
 tcttcagtta ccctaataccc atgatgcctg gaaccttgat taccgtttta catcagctct 480
 tgtacttttc agtatatttt cataatgagt tatattgtca tttagacttt gaacagctct 540
 gggaaataga agactagggt tgtttcttaa atttagctca tgttataata aaaagttgaa 600
 atgaaaaaaa aaaaaaaggg gggccgcctt aaaggnccaa gttncgn 647

<210> 1262
 <211> 836
 <212> DNA
 <213> Homo sapiens

<400> 1262
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 agcaggaggt agagagggga aggtgccaca cacttacaaa caaccagatc tcaggacaac 120
 tcaactagta tcaggagAAC agcaccacaa aattgtgggt aatcattcat gagaagcctc 180
 ccacgaccca atcacctccc accaggcctt acctccaaca tctgggatta caattcaaca 240
 tgagatttgg tgggaacaca gatccaaacc atatcacgca caaattgcaa ttacttcaca 300
 ctcacgataa cccattaatc tgtgaaggat taatctgttc atgaaggcag ggccctcatg 360
 atggaatcac atcttaaagc ccctacgtct gagtactgtt acattgggga tttagtttta 420
 atatgatatt cagagcagaa aaacattcaa accatagcaa tatgtattga atatctagat 480
 catttccaaa taagatatata atatgatact gaaacattta ttgctgaaca taaatttaga 540
 acttactttg cctacctatt acagaagaac aaaagatatt tgggcctatt aaacctttcc 600
 tctgccattt cctgtcctgt gtcataaggac taggaatcgt gtttctagaa agtatgaaat 660
 cgtgtgcttg cmaacttgga agaaaacagt tcatgactgc ataccttcta gttctctagt 720
 gttcactgga aattaaagac actaaaagtt aacaattctt attaatatt catattaatg 780

795

taattggaat ttctagaaat attaggggaa gcaactttat acgcaaagca taacag 836

<210> 1263

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1263

aattcggcag aggcaaacat taagaaaaaa ggaatatatt agaataaaat agaaaaagtt 60
 aaagggcatc acacaaaatt agtctaggta ttattccgaa gcttgcatTT tatatgcac 120
 tggggcatgta ctgagctgtg aggtgagatg catctcttac tgtgggctcc aatcaaagtt 180
 ttaaaaaacay cattttaagt tatgttcagt gggtactgaa tcttttacat aatttagttc 240
 tctcttgaat cttcttgtcg tcatagraaa tgtcctatat cmatttttac agctwtaacc 300
 atctgatctt ca 312

<210> 1264

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1264

ggagctgact ctgcctgtcc agggcctgca aagtggctga gctcccttcg ggcccatggt 60
 gtgcgcactg gcattggaca agcccgggca aaactctttg agaagcagat tgttcagcat 120
 ggcggccagc tatgccctgc ccagggccca ggtgtcactc acattgtggt ggatgaagca 180
 tggactatga 190

<210> 1265

<211> 571

<212> DNA

<213> Homo sapiens

<400> 1265

accagtctcg cgacactttc cttggccatg ggagacacac gagaagagac tctcgcaaga 60
 aagtaaatga gtcaggctgg aaacagcgaa gtatatctcg cgatacacgt gtttaaaatg 120
 gcggcttcaa ggcgtttcac ggtgtcccg gacaggcgtg gaggtggggc gcaggcgagg 180
 atgaagcttg agttggccag gagtccgaaa acgattgcag gcgggaccgc gtcggtcggg 240
 gctgaggaaa cttagcgtgg cagaccctaa actgggataa ctttagggat atggccttct 300
 tttcccagtt gcctcaaact tagagcagcg tcgtcttttag ccgaagattc attttcccag 360
 cattttcctt ctccaggcgg agtagttgga gacagagggc aagccagaaa ctgaccttcc 420
 catctcctca ttcccttcca tcaagaactt ttcacgttcc tttcccacc ctggtttgta 480
 aatgggtattt ggcttcataa aaacgtttgt ccacaggtgc cctgctccat cagttcgtc 540
 cagcaatata ggaagttacc aaaaaaaaaa a 571

<210> 1266

<211> 1474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1345)

796

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1440)

<223> n equals a,t,g, or c

<400> 1266

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gagtcgcccc acaagaagaa gaaaatcgcg gcccggagga aatgggaggt gttcccggga 120
agaaacaagt tcttctgtaa cgggaggatc atgatggccc ggcagacggg cgtcttctac 180
ctgacgctcg tctcctcctt ggtcactagc ggactcttct tcgccttcga ctgtccgtac 240
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atggggaccc tgctccgcac cagcttcagc gaccccgag tctcccccag agccacrcct 360
gatgaagccg ccgatctgga aaggcaaata gatatcgcaa acggcaccag ttcagggggg 420
taccgccccg ctcccagaac caaagaagtc atcatcaatg gccagaccgt gaaacttaaa 480
tactgtttca cctgcaagat tttccggccc cctcgcgcct cccattgcag cttttgtgat 540
aactgcgtag aacggtttga tcaccactgt ccctgggtag gcaactgtgt ggggaaaaga 600
aactacagat ttttttatat gtttatttta tctctgtctt ttctgacagt ctttatattt 660
gcattcggtt tcacccacgt cattcttcgt tcacagcaaa caggattcct aaatgccctt 720
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gttggcctct caggattcca cactacttg atcagctcca accagacaac aaatgaggac 840
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atggccaggc cgggggaaacc aaaggctctt atgg 1474

```

<210> 1267

<211> 1405

<212> DNA

<213> Homo sapiens

<400> 1267

```

gtgtatttta caattttttt aaaggaaaat ttaaaatatg aaatgtttgt tttgtcttaa 60

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797

```

cagggtatcc cttctccctc ccttggtcagc cttccttctt tctttgaaag gagaagtcac 120
acgttaagta gatctacaac tcatttgata tgaagcggtta ccaaaatctt aaattataga 180
aatgtataga cacctcatat tcaaataaga aactgactta aatgggtactt gtaattagca 240
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tgaaagagta aggtttacct gttacatttt caagttaatt catgtaaaaa atgatagtga 360
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tctttgttac attttaaaag caattgtatt agtaagaact ttgtaaataa atacctaaaa 1380
cccaagtgtg aaaaaaaaaa aaaaaa 1405

```

<210> 1268

<211> 1453

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<400> 1268

```

aaaaagaaa gaaagaaaag gtacatgtat atatttgtcc tgcattatgt tttttacttg 60
atataaatgt atttttactg tgatagtcca agtgccctgg ggggcagggtg tgctctatgt 120
ggttcttctt ccattggaga gctggcgtag agatctgcag tgttcacaag gatgttggtt 180
tggagatgtc tgctgctagg acctgggggtg tgtgactcag tccatatgag agggacatct 240
gggtggagga gtaaattcct gtgctctgaa atgccacttg gtagctctgg acaatgaagg 300
acaattgact caaggggtgcc tggcttctgc tgctgctggg aaaaaattca gtttatagca 360
ttcctgcacc tcccaaagta gataacctgg aggtcattca gtttaacaact gtccctgagg 420
actcagtttt ggggggagggg ttatctggga gaagctttag cctgttctga gccattagga 480
gacattagtgt aattggagca ctggagaatc ctacaaatgg cctatgtctc agaagagctg 540
ggacctcctt ccagctgctg cagatgctga caggccctgg gaggtgctg tgctctggag 600
aagctggagc agctcatttc ttggcctagc ctggctgctt cagaaagagc agtcaggact 660
tgagggaagc atcaaattct ataccataa actgcagttg gaagtcagct ttttgaaatg 720
tccagccttt gcccaattgt ttcagatcat ctcatctc aggttttggc aggtatcctg 780
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gtctgccctt tgccatactg aacagctgtg gaccccgatt ggtgagggct ctgcatatgc 900
ctgtatgaag gagatacagg tgtgtgtgca catgccggta tgaagaagac acaggcatgt 960

```

798

```

gcttctcagt tttgctaaca gtgggagctc aacggggcag agggaggaag gtccatgatg 1020
ctcagccaca tactgtagag agaggcaatt taatgttaaa tgacgcacca tcctccctcc 1080
cacccttctc ccagtcgaact ttttttcttt ttctagaact actaattatc tctcaaggct 1140
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cactaaataa aatgggtactt acctttcaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa ana 1453

```

<210> 1269

<211> 1353

<212> DNA

<213> Homo sapiens

<400> 1269

```

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ggtttaagca ctgttgggtt ctctttaatt aatatttgca gaaggagaac atatgtgttt 120
cactgatatg tatggtccag aaaaattact taattctcaa aaatatgttg cattctcata 180
ttgtgttagg gaaaattcca taagtagtct attttttttt tttcttttgc tgactgttaa 240
catccaaaca cctgaatgaa aactgactca tttctgtatt ggtgtttaaa aatattgatt 300
tgcagatgtt cacagaacac ttgcattttt tgattcacat tgctaaatca aatgtaaagg 360
caaatatgta tatttaataa atgagaagta tttttttatt actgaaattt attctcaaag 420
caaagtattt ttgtagatgk ttcatttggg agattttgct ttgccttaaa acatacmaaa 480
taaacctgtc ttgtggtctg cccacctcaa aacctctgtt aacttgacat gtagaaggag 540
ttcagaattc tttgataatg tgtgggtttc acttttgttt ggattaaaca aaaataaaat 600
tagagtccat agcactttgt aaactaatgt gaagtttctt gttgaatcat aaaagctacc 660
tgtatgtact ttataattta atgttctgtt agtaaaaatt gtcagcattt tatctttttc 720
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aattcctgta gctgttttt accattagga tgtttttgaa aacagatgtc atcttagaaa 1140
ttatattttt aagtgcaaat aaatcactct gacttgaaag tcaacacatt ttatttttca 1200
ttcctgtagt tcacagaata tgctgcattt agatacagggt ttaatttgcc agattttctc 1260
aaaattctgt atttttatat tgctacaact ggtttactta acatgcaatt gaattgttat 1320
ttaaataaat tacatttgat ggaaaaaaaa aaa 1353

```

<210> 1270

<211> 1569

<212> DNA

<213> Homo sapiens

<400> 1270

```

acctattcaa aattttatta aaaaccagca aattaatttt aatctctagc cataaaaaaca 60
taagtaatag taagctccta agcttggaca agggctggat tctcttccact ataactgagt 120
ggtaatttaa agacaacaat ttaatgtcac taattttcaa aattaaatag tttaagctca 180
atttaatttt gctagatatt taacaaaaca tacggctcaa cctcataacc tatatgtgtg 240
tatgtctaca tctgtgtata tatcatagga tttgagaatc ttaacacatg tataaataag 300

```

799

```

tatatataaa ctccaatttt aaatcttaaa attgctgaat ttaccctcat attctttaaa 360
aaacttaaaag cattatgaat gtwgagaaat tcaccagagc tcaactgccta tttgatggct 420
gtaacaagtc ttcaagtata tactttttata ataagttgaa aatttcatat aattttattt 480
attaagaatt ccaatctaag tataaaaggta caaggtagtg agaaggaaat actacagttc 540
ggagaactgc ttattttcaa gtatatttaa cttataaagt taataaatag ttaaatgaaa 600
caaagtttat aggtgacctt tagtaaatgg ggaaattaac aggactttct tcttcattct 660
caaactcttc agaagcagca acagggctag ttaattcaac tccaattgt tctgaaagtt 720
tttttacctt ctcttctaag agaataattt tcttcacttc ttccttgtaa ttatacttaa 780
gatcttcaat ttcttcaaaa aatgaaggat caaaattttc cagttctttt ttcagcttct 840
ttatttcctc cttcaaatgc tgcttttcta gatctgacat tttgagctgt gtctctagat 900
cttttatttt ttcttttagt tgatcagcat caggtatggg gctttcagct ccactttggg 960
ccttgttagc ttctatctga tggattaatt ctgctttctc tttatccagc tgatgattag 1020
ctaactaag aacttgaagc tcccgtttta ggcccttgctc tgtctcagca ccttcaggaa 1080
catgtttaag aatcttaatc tgttgttcaa ggtcttcatt gtatttgtaa actttttgtt 1140
ctctctctgt tgcttctttt acaagctgtt taaggctcagt aatgctttga ttttttttgg 1200
caatatcagt ttccaattct tttwacttgg tttcatacat tcttgtaacc acaatggatt 1260
tccagctctt actgtcagca ccttcaagct gtggacctct gctttctgca aactgcaatc 1320
tcttaccagt ctcttctagt tgaactgtca tcttctcatt taatatctct aaattattct 1380
ttgctatccg taatttctct gcagcatcag tttctttttt aagttcttta cgaagccttt 1440
cattttcagc aataattttt tctgtgcctt tggctctgga ttcatagtgc atgctcaact 1500
gatgcccaag atgagcttta agtttttcta attcagcctt caatttttca ttttctctgt 1560
caatattag                                     1569

```

<210> 1271

<211> 573

<212> DNA

<213> Homo sapiens

<400> 1271

```

cagttgaata catcatccac aaaccaccaa ttgccttctg aacatcagac cataactaagt 60
tctagggact ccagaaattc tttaagatca aatttttctt caagagaatc agaattcttc 120
cgaagcaata cgcagcctgg attttcttac agttcaagta gagatgaagc cccaatcata 180
agcaattcag aaagggttgt ttcatctcaa agaccatttc aagaatcttc tgacaatgaa 240
ggtaggcgga caacgaggag attgctgtca cgcatagctt ctagcatgtc atctactttt 300
ttttcacgaa gatctagtca ggattccttg aatacaagat cattgaattc tgaaaattct 360
tacgtttctc caagaatctt gacagcttca cagtcctgta gtaatgtacc atcagcttct 420
gaagttcccg ataatagggc atctgaagct tctcagggat ttagatttct taggcgaaga 480
tggggtttgt catctcttag ccacaatcat agctctgagt cagattcaga aaattttaac 540
caagaatctg aaggtagaaa tacaggacca tgg                                     573

```

<210> 1272

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<400> 1272

800

```

gcaacaaatg attctgaggc ttgatggctg tctanactta ctaacagaga tgagcaaata 60
caagcacaag agcagccctt tattgcctct tcttatcttt cataatgttt gcttcagtcc 120
tgcaataaaa cccaagatcc tggctaataa aaaaagtcac tactgtgctt gctgcctgtc 180
tggaaagtga gaatcaaaat gctcagagga ttggagcagc tkccctttgg gctctgattt 240
acaattatca gaaggcaaaa acagctttga aaagcccatc agtaaaaaga agagtggatg 300
aagcatactc cttagcaaaag aaaactttcc caaactcaga agcaaaccct ctaaatgcct 360
attatttgaa atgtcttgaa aacctcgtgc agctccttaa ttcttccctg agtgcccatg 420
ggatgcctac accttgaagc tgacagtcac caacagggga gctaaagtgt aagcccagct 480
gtgtgtagca gctgttacct gaagacgtgc tacctctcta caaagtgttg atccccctct 540
ttcccatgag agagagaact ggtgatactc caacaccgtc cagttgtggc agctctccag 600
aagtaatagc agctgacaac tttctgtgcc ttttcttttc tgttgaaaag gcatagaaaag 660
ttctgggaac ataaacattt ttaccctttt ctatgccatt tattttgtaa aaatcctatt 720
taacagttat ttaataaaaac aatattttta gaaamwaaaa aaaaaaaat tactgcggtc 780
cg 782

```

<210> 1273

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1273

```

gctgaaccac ctccaaaacg catcractcc cggatattca aagctgccct ttcaaateca 60
ctttcagacc gcgctgacct gggccagcca ctggsggtca tgggtgctgg tgggggcat 120
tagctgtgta gaccacagg tgctggggc tgggcccgcg gcgcctctc mccaacgcgg 180
ggagcctgcc cagttcttct ggagcctgaa atgcgtgcc ctcttggttg cccgctctcc 240
acagtgggga gggctcacga ggactaggtg acacaagcga gccctctctg gcat 294

```

<210> 1274

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<400> 1274

```

gctcgacagg taaaatccct acgtgaccc tctgccaaaa tgcgaaatc agaccctgac 60
aaactggcca ccgtccgaat aacagacagc ccagaggaga tagtcagaa attccgcaag 120
gctgtracag acttcacctc ggaggtcacc tatgaccgcg ctggccgcgc tggcgtgtcc 180
aacatagtgg cgggtgcatgc cgcggtgacg gggctctccg tggaggaagt ggtgcgcgc 240
agncggggca tngaactctg ctgcctacaa gctggccgtg gcagatgctg tgattgagaa 300
gtttgcccc attagcgtg aaattgaaaa actgaagctg gacaaggacc atttagagaa 360
ggttttacaa attggatcag caaaagccaa agaattagca tacactgtgt gccaggaggt 420
gaagaaattg gtgggttttc tataggaagt ttcaacgaat cacagcaagg cttttgtgcc 480

```

801

```

ttgcactcca tgcattctga taacggcagc tttcctaaaa agaaaaagtt atagtttttg 540
gacatttaat ttggtatagc tgattattgg ctttatttga tgaatattgc tttgtagctt 600
tgaaatacga cagtgttcca aatcccatca acaaaatgct gtgaacaaca acaacaaaaa 660
ataaatcaag aaggcatarm aaaaaaa 687

```

<210> 1275

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1275

```

gaattcggca cgagaaaaag ccataataca agactctaaa gatctggaat gaaacctaata 60
aagagactgg taggtcaaat gagagcaaag catttgaatt tgactggatt gttttctcac 120
tggaatatag gattctatga gttcatcatt aacacatttt ttgactggaa aactgctata 180
ggatcccagg gaggactaaa tttgaacaga ggaagtggac agtgttgcag tctctgttct 240
agctcttggg tctagaatag gagagttaag agcaccaatt tgggatgaag aaagcagaaa 300
gcaattatcg atatcaatca agagagcaga acagcctctc tccctccatc ctcctctctg 360
cctcttctcc ctctctcctt ctctgctttc ctttactctt gtgtatgtta gctttggccc 420
cattccataa gccgagataa aaatgctagg catgataaat ttgtgactgt tactaacatt 480
taggattttt tttttgagat ggagtttcac tcatgttgca gtgagctgag attgtaccat 540
tgcaactccag cctgggcaac agagcgagag tctgtctcaa acaaacaaaac aaaaaacaa 600
atgccacgtc aacatcagga cgttaacctt tagacctat atgggtctaaa aaggggaggc 660
atgaataatc cacccttgtt ttagcatatc atcaagaaat aaccataaaa atgggcaacc 720
agcagccctg ccctgtctat ggagtagcca ttcttttatt ccttttagttt cttataaat 780
ttgctttcac tgtaaaaaaa aaaaaaaaaa aaactcga 818

```

<210> 1276

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1276

```

cccccttact tgggagctctg acttcattac ctctgtctgaa acaagggtgcc tccaagcttt 60
gggttgattt ccagaatctt gttgggttaa acataagtag aagtttgatc ataaagggtg 120
ttattaagcc ggataggtaa gcacggtgac aatggcaata gaaatctaat ggaaaacgat 180
tgaatgacaa ctacaccaa gtttcatgga tgaaactcac ccagaaact tagtgttcaa 240
atcagagtga tacacaattc aaaatgtgat tttaaacttc tggaaatatg tgtgtttgtg 300
aagatccaaa tccaattcag caacctccat caggcagaaa ccttctgcaa tcctcacatg 360
aggaactggk tcacagtgtc cacagcatgg agccattagt gacgttatcc aaaggatgag 420
acaagacaaa agttactgtc taataaaaagg aaaattagga acaggaatgc tctttaaact 480
caggaagatc ttttgggggtg tcaaactgga cagcacagaa tcattagaaa aattagcttg 540
gcgtgagaag agacattgag gtcttctctg taaaatttac ttagatactt gtgaatagga 600
ctgaaattta tattttgggc actctttacc tcagattcag agttcttagg attattttaa 660
attcatttgc tggatgtttt caagtataaa caataagaaa actgcaactt caacttaaaa 720
ggcactgctg tatttgcacc ctatattttg acctgtcgtt aggtactgtt gaatatTTTT 780
atctgtaagc atttatgaag tgcaaaaataa acatgttatt atataaaaaa aaaaaaaaaa 840
ggcgccgct 850

```

<210> 1277

<211> 500

<212> DNA

802

<213> Homo sapiens

<400> 1277

```
gagcaagacc ttgtctcaaa aaagcaaaaa agcaaaaaaa aaaaaaaaaa aaaaaaaaag 60
gaagtctttc ttcagatact tacgtgaaaa aaacctgcaa tatcttttaa gtgaaaaaaa 120
cagtgcgaag cagcacacat agtataagcc ccaaccaacc tttttttttt tttttttttt 180
gagacagagt ctggctgtgc ctcccacttt ctaagctttg saragagtga gttgactgag 240
cagccaggta gatgtggggt cagatctctg cktctgtccy gctgtgcaa gtgctggggc 300
agacgcrggc agagagtgga cagyggcatg gtgcctgctg ctagccattt ctatgcaaaa 360
ccagatttct rgtcccatcc tggaggccaa ttctaggtac stgggtgggc ctgggaacct 420
gtgaamcaag taaactgact tagacacccc ccaccccacc aggcctgtcc tagcagcccc 480
acacaaaacg ctcatgtcct                                     500
```

<210> 1278

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<400> 1278

```
gaagtactct aaatgagcat aaggaagaaa acacaactac agttttcata ggagctaaac 60
tgcagaacac agacaggatt ctagaaggac aaatcttatt tcatttagct tcttcttaaa 120
gccaagatac ctgcaaattc aaaccttagg ttctgcectc tgcggcacc aggcagagcc 180
tgactaggaa acttcagaga ggagaatgta aaaggaaatg tagatattta taattgaagt 240
atctttcccc ttgggtatatt ctctttctct tttttttttt aatgaaaatc agtcaactga 300
atatttttgtt tccccgagga agactcctca gctgtcgatt atgctgagca cacgggagaa 360
gctctaacag aagatgatgc ccgctctggc taatgatcac ctgttctgta tcagtgagag 420
acaaggtctt gaagttggcc cccttcagct gtgaataggt attaggtacg gaatatagct 480
aaaagcatth gtgtgagcct gcaaancaaa tgggtgctgg anccaatttt gtacagggnat 540
atccaaataa atttaatttt c                                     561
```

<210> 1279

<211> 1667

<212> DNA

<213> Homo sapiens

<400> 1279

803

```

gggaactgcc aaaagtgtgc atttggctac agtggactcg actgtaagga caaatttcag 60
ctgatcctca ctattgtggg caccategct ggcattgtca ttctcagcat gataattgca 120
ttgattgtca cagcaagatc aaataacaaa acgaagcata ttgaagaaga gaacttgatt 180
gacgaagact ttcaaaatct aaaactgctg tgcacaggct tcaccaatct tggagcagaa 240
gggagcgtct ttctaagggt caggataacg gcctccagag acagccagat gcaaaatccc 300
tattcaagmc acagcagcat gccccgcctt gactattaga atcataagaa tgtggaaccc 360
gccatggccc ccaaccaatg tacaagctat tatttagagt gtttagaaag actgatggag 420
aagtgagcac cagtaaagat ctggmctcgg ggtttttctt ccactctgaca tctgccagcc 480
tctctgaatg gaagttgtga atgtttgcaa cgaatccagc tcacttgcta aataagaatc 540
tatgacatta aatgtagtag atgctattag cgcttgctcag agaggtgggt ttcttcaatc 600
agtacaaagt actgagacaa tggttagggg tggttttctt attcttttcc tggtagggca 660
acaagaacca ttccaatct agaggaaagc tccccagcat tgcttgctcc tgggcaaaca 720
ttgctcttga gttaagtgc ctaattcccc tgggagacat acgcatcaac tgtggaggtc 780
cgaggggatg agaagggata cccaccacct ttcaagggtc acaagctcac tctctgacaa 840
gtcagaatag ggacactgct tctatccctc caatggagag attctggcaa cctttgaaca 900
gcccagagct tgcaacctag cctcacccaa gaagactgga aagagacata tctctcagct 960
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cagagagtaa aaaacatgac ctggtagaag gaagagaggc aaaggaaact gggtagggag 1140
gatcaattag agaggaggca cctgggatec accttcttcc ttaggtcccc tctccatca 1200
gcaaaggagc acttctctaa tcatgcctc ccgaagactg gctgggagaa ggtttaaaaa 1260
caaaaaatcc aggagtaaga gccttaggtc agtttgaaat tggagacaaa ctgtctggca 1320
aagggtgcga gagggagctt gtgctcagga gtccagccgt ccagcctcgg ggtgtagggt 1380
tctgagggtg gccattgggg cctcagcctt ctctgggtgac agaggctcag ctgtggccac 1440
caacacacaa ccacacacac acaaccacac acacaaatgg gggcaaccac atccagtaca 1500
agcttttaca aatgttatta gtgtcctttt ttatttctaa tgcttgtcc tcttaaaagt 1560
tattttatct gttattatta tttgttcttg actgttaatt gtgaatggta atgcaataaa 1620
gtgcctttgt tagatggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1667

```

<210> 1280

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<400> 1280

```

ttcacagcta ggagtccttg ggaatacacg aacctgtgca gtagacagtt gggggccagc 60

```

804

```

ttgttggaga ctgttcttat tttcttcttc ctttcagaat ttcagctgat cctcactatt 120
gtgggcacca tcgctggcat tgtcattctc agcatgataa ttgcattgat tgtsacagca 180
agatcaaata acaaaacgaa gcatattgaa gaagagaact tgattgacga agactttcaa 240
aatctaaaac tgcggtcgac aggcttcacc aatcttggag cagaaggag cgtctttcct 300
aaggtcagga taacggcctc cagagacagc cagatgcaaa atccctattc aagccacact 360
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaaaaaana aaaaaaaaaa aaaaaaaaaa aangggc 457

```

<210> 1281

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1281

```

ttttttttcc awgtacwtga aaaatccatt ctcttgggtgt cactacmagt ctgcttagtt 60
ttaagtga aa ttctttttat gtctacttgg tttttacttg tgtcaacatt tagtatgcta 120
cctcttctat wgaaggatga actcctaattg cctctgttg tgacaacaat ggcatttttt 180
atagcttgtg taacttcctt ttcaatat tt gaaaagactt ctgaagaaga actgcagttg 240
aaatcctttt ccatttctgt gaggaaatat ctccatgtt ttacatttct ttccagaatt 300
atacaatatt tgtttcttat ctcagtcac actatgggtgc ttctgacgtt gatgactgtc 360
acactggatc ctcttcagaa actaccggac ttgttttctg tattgggtgtg ttttgtatct 420
tgcttgaact tctgttctt cttgggtatac ttttaacatta ttattatgtg ggattccaaa 480
agtgaagaa atcagaagaa aatcagctag ctgtattcct aaacaaattg tttcctaaac 540
aatgtgaaa atgtgaacag tgctgaaagg ttttgtgaac tttttgctat gtataaatga 600
aattaccatt ttgagaacca tgggaaccaca ggaaaggaaa tgggtgaaaag tcattgttgt 660
ctacacaaaa taaatgtata tggagaccaa araaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaa 723

```

<210> 1282

<211> 331

<212> DNA

<213> Homo sapiens

<400> 1282

```

cggacgcgtg ggcgacccac gcgtccggct caggcacgtg gccacctttg aaccagggat 60
tttgatcggg ggactctcat tggcccggcc ccgttgggtt ccttgtcccc tggccccac 120
gggagtgagg atggcgccat ggtggagagc accaccagga ccacgtggag ttagggagag 180
actgtcccc taagaaaaac ataggacccc tgcaagccca accacctctc ccattagaat 240
ttttcagtca ggcacaatgt caaaagttca gcttaggktg garacaaatt tgcargacag 300
gtttccara atcatccaca ttaccaccta c 331

```

<210> 1283

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

805

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<400> 1283
gttctagcaa gtgtggtttt agctgtatta gccagattgg gcggccggga gtggtggggg 60
tgccgggtgg aaggctctgg gcggggtctc aggaccctcc ttttcttggc ggggatcggg 120
cttgtggtgc cgctccccgt aatgtacgga ggaagaggga aagggtcttg gccccctcgg 180
cgtcatgtct tcggtgctgg cggcttccca tccgctggtt ctatcctcaa acgccgggac 240
accgggaatc tcggaggaag ggacaaccga ggattccagc tggcttcctn catcggggtg 300
cttcacaatt tcttcatttg attttcangt cttgcggacg ctgttat 347

<210> 1284
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (822)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (866)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (878)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (916)

806

<223> n equals a,t,g, or c

<400> 1284

```

gacacnaacc ctcactaaag ggaacaaaaag ctggagctcc accgcggtgc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag cctgtcacca tccccagccg 120
ttagccatgg cttcggttct ggctcccggg cagccccggg cgctggactc ctccaagcac 180
angctggagg tgcacacccat ctccgacacc tccagcccgg aggcgcgaga gaaagataaa 240
agccagcagg ggaagaatga ggacgtgggc gccgaggacc cgtctaagaa gaagcggcaa 300
aggcggcagg gactcacttt accagccagc agctccagga gctggaggcc actttccaga 360
ggaaccgcta cccggacatg tccacacgog aagaaatcgc tgtgtggacc aaccttacgg 420
aagcccagat ccgggttttg ttcaagaatc gtcgggccaa atggagaaaag agggagcgca 480
accagcaggc cgagctatgc aagaatggct tcgggcccga gttcaatggg ctcatgcagc 540
cctacgacga catgtaccca ggctattcct acaacaactg ggccgccaag ggccttacat 600
ccgctccct atccaccaag agcttccct tcttcaactc tatgaacgtc aacccctgt 660
catcacagag catgttttcc ccacccaact ctatctsgtc catgagcatg tsgtccagca 720
tggtgccctc agcagtgaca ggcgtcccgg gctccagtct caacagcctg aataacttga 780
acaacctgag tagcccgycg ctgaattccg cgggtgcgac gnetgctgt ccttacgcgc 840
cgccgacttc ctccgtatgt ttatanggac acgtgtantc gagcctggcc agcctgagac 900
tgaaagcaaa gcagcnct

```

<210> 1285

<211> 3211

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1285

```

gggattacag gcatgatgcg ccgcacttgg cctagtgttt tcttaactgt gaaattccca 60
ttcatttctt gaatgaggct acatcttatg gacagagcaa agttattgtc ctacagattc 120
ttaaactat aattatggct attgcatgaa atttaaatag attttattat gtctgcaaat 180
ctctgggctt ttatttttct ggaaaatata ggagctttta tcaaacata atagttcttt 240
ttgtaattcc atgttaataa aaacaaatac tagcaattgc ttgaatttta atgaatatatt 300
aaaagttcaa gagccacgga aatcacttcc agagataaga gttccctttc taaatagaac 360
acatttttaa aaaataagtt atgtttgcta ctaaaacatt tacactgkta gactattatg 420
tgcattgtgc caagactctt aagtaacttg gatatcaact gtgaagggcc tacctctaaa 480
aagtaacagg tcatacaaat acmaatgtaa ctgntaaaaa ttccactgga ttcttgcata 540
tttgcaagat tagattattc aaaagaaatt tcagtgtcaa aattaaccag caacataagt 600
tctatgggct ttgaaaattg ttctcatctt tttaaagttg atgcattttc aatcctgctt 660
acacaggctg ttcatttgga taagtaaata aaatgtctaa ggtgaacttg gcattatgtg 720
gagatgttgg accgttatag agcaatacaa attcctatgc tgtcattctg tttctgcaa 780
atgcaaactg gcttatatgg tcaacagtgc aaaaataggg tagttggctg catatttagg 840
gtattacctt agcatttggt ctctaactgt gctctactag aatgattttt ttcttgcatc 900
ttttcacatt aatgatgttc tttatataac tttcatgcga ttatttagtt ttttaaatta 960
ataaagtga ttttaagaaat attgaaataa acatctaagt aattgccatt ttaaaccctt 1020
gtttcttact gtgggagagg gggaaataca gcactcattt cttgttttta atttgagaa 1080
gtaagtgaat atctatgtaa aatcaaacca aaagagttgg actgagtgtg tattgtcttg 1140
agattaagtg acaaatagta aagtgttact gagtaattaa gcccattgat tttttttttg 1200

```

807

```

tgagttgaaa atctttgaaa tatgtgataa ccgaatgtca aaagttccta aactctaaca 1260
gtgcaggttg ttcactgtaa cgaggtaact catatttgct gggtacataa actacaagta 1320
ctgctctcac aatatgggac tttgaactgt gatgtagtcc aacagttgcc ggcacccctc 1380
cagctgatac gctgcgaata ttttgggtta gacttgcagc cagatgcagt tttgcaaccc 1440
aagaaaaaag ttgaacctat gatcaaaaac tgctcccaag atgaacctgg aaaaaaatca 1500
gctaagctcc cttggcgatc tgcaggaaca ctagtaatga ctggaattac tccgtgatct 1560
ttgatgacta ttacacataa cagcactcta gcaccttttc ttactggcat ggacttcctc 1620
atggactgct acttcatgga tgatagcttc attgcttttg gtagggattt aaggtagtca 1680
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aagagaacaa ccagtggatt caggggacaa ttatctatc ccaaataata ggcttttatt 1920
tcttgcagct aactttttca gtgattctag cagatgccat ctagtacatc cttgatcttg 1980
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cacaaaagac ttaactagct ttacatttag cagtcagttg gttagattag gtttcatagt 2100
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gagttgttta ctaaggatta ttataagggc ctgaagggtg gggagtggag attaattaaa 2400
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tagctacctc ctgtgcctga cttgggtgct gtgtgaggat taagccctta gtctgctctt 3120
gcaattattc aaatgacaaa ttaaatttgc ttttgaataa acaataaaaag ttgtcatctt 3180
cccttttgaa aaaaaaaaaa aaaaaaaaaa g 3211

```

<210> 1286

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<400> 1286

```

tgaggattag tgcagtnntc ccaagggaaa atatgatcat agctagtggg cttaccttgg 60
cagtacttag actgtgtatc ctttgaagtg tcttatctta gggatgggtt ccatgaaaac 120
catacagggt ttctaaatga cacagtctgg gtaactgcct agcttatgta atcatgtgag 180
gggttaataa tctctagggg gtagttacac tgatgacttt tcaagggttc cmgggcctga 240
ccaaaatttt ggcttctctt aatacaaagt ggcacctgga attttagctc tgtgtacatt 300

```


808

```

gatattgggc cccaaatggg tttctgtggg atgcaacccc agaaagggta ctctgatagt 360
actggagaag gtttactgct tgtcctgtca tcgtagtcca tgtttttttc cccaaggcca 420
aagattgggc tgggattggg gtggtagtgt atttgaatga tgctggagat aaccaaagcc 480
aacagtcctt gccagagctg ggctgggtgg atttaactgt ctttgagtta aatgtaaagt 540
ttttaataaa taccagaat ccattaactg ctggaggggt aaagtgaagc tctgttgtaa 600
aataaagctg attcccatta tgcgtgggtcc tgtatacaca ggctgtgggt gaccattatg 660
gaacaaaaaa atacttattt gttattttgt gctatagaat aggaacttca ggggtggata 720
cctatgctgt caggaatgct tgttataaga attaattaaa acactttgct taattattaa 780
aaaaaaaaaa                                     790

```

<210> 1287

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<400> 1287

```

cggcacgagc ggcacgagcg gcacgagggg atttctaggt tttccccttg atcccagcag 60
ggttgtagct cctaagagag cttggaaagg gatagagaag tctgacccaa atttgccgag 120
sgactgagtg tatgctgccc ctttctggg ctttggttc ttctcaatc atctaggcac 180
agtccatga ctgcctgttt ttgaggatgt gggaaggggtc tgcaaataca gtgctttccc 240
attgacacac gctggtgagg atgcaagctc cctggcacca gcagtgaggg ctcagattgc 300
aagagtaaaa acttcatcac tgggaagaga agtctgcagg ggactggaag tgatctgaan 360
attctgaaat aactcttcct ctctctgcag a                                     391

```

<210> 1288

<211> 392

<212> DNA

<213> Homo sapiens

<400> 1288

```

gggaaaggag tgtttcccag acagcccagc ayctgcaggg gatggagggc acataagttt 60
gaatataaag tttaacaaat caggggcagg gccagaggaa ccaagtccaa gctcttgggt 120
tcaactataa agtaccatgg aagtttgaaa actgaaagag atcaaaaagc tgtagaaga 180
aaacgcaggc atcaatcttt atgaccttcg attaggcagt ggtttcttag atatgacacc 240
aaaagcaaag caacaaaaga aagaaaactt aaagtggatg tcatcagaat gaaaaactct 300
tgtgcttcaa aggataccat cacattttat aattcatagr tctgataaag grcttgtrtt 360
aaggaawtmc aaggacctcc acctccatta cc                                     392

```

<210> 1289

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1289

```

agtgtagggt tagccatctr aggaccagtg ctacacccaa gaatactgat aagtgtttct 60
ggtgtggggag aaatraggrt tatttatata gggcaaaaca gaggtgttga acaggattac 120

```

809

agcatttttt

129

<210> 1290

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (424)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 1290

```

gtccgggagc agtggttggg gttcncagag tnatgacgtg gaggaggctgg gcctggggcag 60
atgtgcacat cgtctgtact ctggatccct ggcccagaag gactcagatc cttacttcta 120
ggaattttca tttaatgaac attatgagaa ttggagggaa ggagaattcc ctttacagaa 180
tcaacccaag ttttctgcag ggatagggag cccttgtagt aagttatccc catagaaatg 240
aaaaccacgt ctccaccatg gctgttctta ctctctcaga gaagctctga taaatgaatc 300
ttcctggata tcctgatcat tttcattttc cacgtgctcc attcctgctg ggaaccccag 360
ttggcggaca caggcagatg gccaggggac cttccacaaa gggccacagc ctgtggccng 420
ccantcantg tgcccttctt tgtg                                     444

```

<210> 1291

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

810

<400> 1291

```

gcacagtttc tctaatacatg gtcaacaaag atctgacagt gcatcgtccc taaacgaccc 60
atacttgccct cactgacacc atgtggccca cttcccatct ataatactatg tctgggtgtg 120
aagcccttcc catatgatcc cccgaatgga acttcacaag ttcgaattca ctgggtcaca 180
gtgtgatagc gtgaagatgg gaggacgtta agggaaggct atgggtgagt tgggaaatgt 240
gttaggcagg gtcagagatt accacatcct aaaaacaaca cttaggcgagg gagatgacaa 300
aacaatcaat gaataacatg actttttcca gtgaaagtgc catatctaata ctttttccat 360
ttttgttctc tgagcttctt tcttagggaa gatccttctt gagaagcccc tgctgagtat 420
taggaaaatg catttcagga cctctcatca acacaccctc tttctttacc acaaccacat 480
atatgggggc ataactcaac atgtgtaaaa gacaatcttc tgctttttcac tgaacctcca 540
ggaattcagg acaataaaayn tctacatgsa gaccaacagg tgagtttttc tgcccttct 600
ttcataacac cgttcttccc tagtgaagtc cacacacatc cttacatggc agctgtgggt 660
atatcaactg gtc 673

```

<210> 1292

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<400> 1292

```

gccagaataa tattctctta ttgtcatgta tctaccacat tttatttatt cattcagcga 60
cgggcagcag cctgtagata gttttgtttt catgtattga atgggtcctt ccccgagtgg 120
agttagtaaa tgcacccgga agcagaattc tggtgtttcc cattcatcac tgtgtgccag 180
gtgtctgaga aggggtgtct ataggagccc acgcaraaac caagctcacc tcagtctggg 240
tgtggggcag tcagggaagg cattctggaa aatgtagctg actcgaaata agcacctatt 300
graaatagtg tgcygagccc tggaacatta aaaatgtgtt cctatgtgga aatcanaaat 360
gtatgggtcc ca 372

```

<210> 1293

<211> 1204

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<400> 1293

```

aagcttcctt tgnnctagcc cggccgccac cgcgggtgaac agacagctcc caggttccca 60

```

811

```

atatttatttaa tgccacgcta ccacctcagg agcgcatcac tgctcaggag attgacagct 120
acttacgccg ggagctgata tacaagcgga atgagagaat agggaaagcgg gtgaaggccc 180
ttttggagga gtccctgac aaaggcttct tctttgcctt tggagctgct tcacagtagc 240
cttgaaaatc aggagccttg aactacagta gctgtgaaaa ctgtttgcct aatgggtact 300
ggagggggaca gaatgggttc aaagtctctc caaagctcca tccttaaaga atcatcacta 360
tttgacatgt ccaatagttc cctgaaatct ccattcccaa gcttgtcttc atttgacctg 420
actcagagct tgctctgtgt gaatagccct attcttaggg tgtgtgttga aaacaatcag 480
tagcagctgt ttaacatcat agttgctgga aatagcaata ttaattgaag cttacaaggg 540
gctgccc aaaacttaaaa gcaaaatccc atagggggta tagaaaagct ctaaaatatt 600
cctagagagt cacatgcatg agaagagctg tgcacatgcc caggaaagac ctgagaaggt 660
cctaattctct caccctctggc tgatcttgag gctctgtgta agcagagtgt gaaagctaag 720
gcaaagtcata aaattgcctg ttgaagcaca aaatacatgc ccccaaactc acacagcccc 780
tctgcaaagg ttgggaaact tgcaaggaaat ttaaggaaat ctctgttcag tcattagcca 840
gccactaaac taactgagca gatccttcag tgatcacaca caacaaagaa tacagacttt 900
acagacttag tcctagaaaa tcactacaca aacagcaaca acaatgcacc tgggactaag 960
ggagagggaga tgagttccag agttggtata ttattttaaatt gtctagtttt caataaaaaac 1020
aattataaga cacagagcaa aactagaaaag tatggcccat acccagggaa aaacaagcaa 1080
ccaatagaag ctgtccttga ggaagttaat atcttggact tactagaaaa tgactttaac 1140
mctagtatta taaatatgtt cmaaaaaacta aaagaggcca ggtgcggagg ctcacgccta 1200
taat 1204

```

<210> 1294

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<400> 1294

```

aagtgtgcaa aatagcatta tttctaaaaa gacaatgtat atatcttatt taaaaactat 60
tgtagaaaaa tgctaataatg catttgagct ttcagtaagt tgtaatcttt ttgggtggtag 120
agggtctcgc cttgatgttg atggctgctg actgaatcag ggtgatgggt gctgaagggt 180
gaggtggctg tggctattaa aataaggcaa caatgaagtt tgccacattg actcttcctt 240
tcaccaaaga ttctctgtga gcatgtgaca ctgtttgata gcatattccc caccacagat 300
cttcttttcag aactgggggt gggacctggg gcaattgcag taatgggtct aaacctttt 360
ttgtcatttc aacaatgtgg cacagcatct ttcaccagra gttggattcc atctcaagga 420
aaccactttc tttggcttca gccgtaagan ggcaattccc ccgtttcaag tttt 474

```

<210> 1295

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

812

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<400> 1295

```
gcgaaggcag aatcattttt tctacctgtc tgaatcagca ctttgtaagt ttacataaaa 60
ttaaggattg tgatttctaa gataggcatg ctttgcaa atttctctat aaaagtggaa 120
gcctctttcc catagtgtc actttaaggc tttctgtagg cctgccgata agattcactg 180
ctgttcagggt acataagatg taatgtaatt ggatgcacat gctgggcttt gtaataaaaa 240
tgagattgac acccagcaat tatctcattt atctgattta cattgtaaaa tcaggatcta 300
cactattgat tagagcataa ttagttaatt atgaacaggg aaatacaaag ttacatggag 360
cttgagctca gcargttgta ctgctnaaaa atttccaagg gcatgancag atggaaatca 420
gtttattaaa gaacaaagca gacatgtttc 450
```

<210> 1296

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<400> 1296

```
aaagctggta cgctgcagg taccggtcgg gaattcccgg gtcgaccac gcgtccgcta 60
agattagaac agctcatagg agagtcatga ttttgaatca cccagataaa ggtggatctc 120
cttacgtagc agccaaaata aatgaagcaa aagacttgct agaaacaacc accaaacatt 180
gatgcttaag gaccacactg aaggaaaaaa aaagagggga cttcraaaaa aaaaaaagcc 240
ctgcaaaaata ttctaaaaca tgggtcttctt aattttctat atggattgac cacagtctta 300
tcttccacca ttaagctgta taacaataaa atgttaatat tcttgctttt tattatcttt 360
taaagatctc mtacaaaana aaaaaaaggcg cgg 393
```

<210> 1297

<211> 627

<212> DNA

<213> Homo sapiens

<400> 1297

```
tgtcctagag atcctgagaa ttacttttaa taaaatcatt tttttgctgt tattaaaact 60
aacctgaatt gcctaaaacc aagaactctg cttgataaaa taagcatagt tttaggaaca 120
gccatgcaga tataaatttt atcaacactt tatacataat ttgggactta tatttaaagt 180
taatatattga tgcttataaa agggtaaatg gggaatgcaa ataaattatc aagcataata 240
actcatcacc taacttaaga ataacattat gagtgcttgt attttatcta tttgagctct 300
tctcctatct ttgccgaccc ccccgctctc tttttaatat atttgttcga atgtagaaag 360
acctaaaata catatgtatc cctaaagtga cttattttat agttttcttt ctttttgaac 420
ttcaaaaaaa ttgtatcata ctctatgtag tctaaggatt tgggtttttt cactcaacat 480
gtctctagaa ttcacaagtt ttattgtttt atagctgtca ttttcattga tgtatatattc 540
attgttgggt tatacaacat attgttaagg aatacatata tatataataa attatacatt 600
ttttaaaaaa aaaaaaaaaa aaaaaaa 627
```

813

<210> 1298
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (339)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (343)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (352)
 <223> n equals a,t,g, or c

<400> 1298
 gtgggcctta ggggtacagca ggcgccgycag cgtttggktg catggcgccg ggggagggcg 60
 ccctaaccga gaagctgctt aatacaaaga gtcccaggct cctggcggtt caccaggtct 120
 aaacagccgg gctttatttg tgggggcgat tgaaaaaatt gaggggtcaag attgggggtgc 180
 tgtgcaaata aatgcgttaa tactgttctt tttcttctt ctttgcagta gcctctagtt 240
 cgttagtcaa aacgttgaaa aaaaataactg ctttgccctg ggaaataata accctgccaa 300
 atactccact tggttgaaac aaaagatttt atggaactnc ttnaaaaaaa anctccacat 360
 gcccattttt tttaccggtt t 381

<210> 1299
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 1299
 gacattgtaa ccgcagattc agcccaatct ggttcaactt tgtgtaataa aatggcgagt 60
 tgtttttcag ttgtcgtgga cccccagggt gcaagttaca taccctgggc atgtccagat 120
 gaacgaagcg tgcaaatcca cgtggaacct aagtgtctag actgaggaac agggactgag 180
 ttaagaagtg gacaccacgt ggcattgatc ttgatccaat cagattgagc cctggcggtga 240
 tccagtcaga tcaagcctcc tgaatccctt cattacaaga tccaatcata tcatgcctca 300
 ctaccctctg tatataaaat ctgccccagc ctccaacttg gagagacaga tttgggccag 360
 actcctgtgt ccttgcttgg ctgccttgca ataaattttt ctctctacaa aacccagtg 420
 cttcagtggt tgggttttcca atgtgagcca gggaactgac ccaatttagt tcggcaacaa 480
 cataagcaaa atgttttccc gagttctct 509

<210> 1300
 <211> 452
 <212> DNA
 <213> Homo sapiens

814

<400> 1300

```

ggcagaggtg acaggtggtg ggggatgagc agggacgggc cagttttgta atctgggasa 60
gttttcaaga tgtattccct ctctgacatc tattaactag cacagagtct tcaggatatt 120
attaggtgct caataaaagt ttattgtatg agaataagca atattttctt tatctctcat 180
ttggttgat ctttccctac tttgttattt cattttttct tacattttat cytygtattc 240
tgacactatt tcttagtttt gcttctgttt tccccagaag agtactttgg ttaaaatgta 300
tcacttgcaa aatagaataa cacaccgcca tgtagtggtg cttcagggtta taattttcca 360
tatatgtaca gtatgccaaa aaggatgctg cttctagaga gaatgtttta aactcacttc 420
tctagatttt tttaaagtta ctttagtggt tc 452

```

<210> 1301

<211> 539

<212> DNA

<213> Homo sapiens

<400> 1301

```

gatcacttca tgttatgaag ctagtatagc cttcacacca tacagrctaa tctcactgat 60
gaataraagt atgtaattgt taattatyaa trtttagcaac ttgaatctac aggtgaytat 120
raagtatttt tttagtttga agatagtttt ttccaraaat ccaaggatgg cttaatcata 180
tggaataatc aagggcaaaag ccaagccaag aaggcttgaa araagaacmc trgagatata 240
ttataatgct ctaataatta aaatggtgtg gtattagggt atgaatggat raacaracca 300
atggaacaaa attgcgaagc cagatagaaa tcaaccagtc tgtggatcta ttaatttatg 360
ggaatgtctt ttgtgagata tatcaattaa tgggaaaaaag actgttttaa acataattca 420
gtgacagttg actgtatgga agaaaacaaa attaaaccct tatttcattt ccagatggat 480
ttaagactca tgtaaaaaaag taaaactttg aaactcagag aacaaaaaaa aaaaaaaaaa 539

```

<210> 1302

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<400> 1302

```

gcaccagtgg catcggggacc agccccagtt tgaggtcgct gcagagcctg ctggggcccca 60
gttccaagtt ccgccatgct cagggcactg tcttgaccgc agacagccac atcaccaacc 120
tcaaggggct caacctcacc acacctggtg agagtgcagg cttctgtgcc aacaagctgc 180
gtgtggccgt gccgctgctc agcagcgs gacaggtggc tgtscttgag ctacggaagc 240
ctggccgcct gcccgacacg gcactgcccc cgctgcagaa tggggcagct gtgactgatc 300
tggcctggga cccctttgac ccccatcgcc tcgctgtggc tgggtgaggac gccagkattc 360
gactttggsg ggtacccgca raagggcytk gaagargtgn tcaccamgsc anaaactgtg 420
cttacaaggc ca 432

```

815

<210> 1303
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<400> 1303
tagcagcccc nntcttttaa ggcttgacta cagaatccag cagcttttgt ctggagagct 60
ggactgaaga gaggcatagc tggagaccca tagctggccc tggccagaam cagggagagt 120
gaaaggctgg aatagccaag gccagagcaa ggctaataagg tagagcaaca gcttacaggt 180
gtgggggtgg cagatactgg cacccttgaa atggattcct catgcccacg cttcactatt 240
cttctctgtg gctaggggay ttatggataa accaaaatta cagttaaaaa ccanccatag 300
gccaggcaca gtgactcacg cctttaatat cagcactttg ggangacaag gtgggcggat 360
cacctgaaga tctggaattt gagaccagcc tggccaacat ggcgaaaacc catctctact 420
a 421

<210> 1304
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<400> 1304

816

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cagacctgtg tctgatactg ratacagtg ccatgggaccc tgctccaatc taactgccta 60
caacctgccc rtccccctgc tgcagggatg ttgctgtctac ctctgggaggc tctctgagac 120
tggtgtcttg tcttagatgc tgcacatagt acctggtgct aggggtctagg ggctgcccac 180
agcccagcag gaacagctac tactcctcct gcagagncct tgncccagac cagctttcca 240
tccaaagcct cacctggttt ccatgtccat ctcaacagtc tggccttcct gtgactgtag 300
cctggcagcc acaccctcag taatcccrca cagtgaagtc agcttctctg ggagcttggc 360
cttcagttag ccaggtccat gagagggcag ggtaatgagg aggagtaaag gacctatctt 420
ctctgtccac ataaggaagt tgggaccaca aggtctttta tctccttggt actccccaac 480
cccaccataa cctcctactc agcacacagc tttatcctgg tagattataa ggtgagcttc 540
cagaacctgg caggaggctg gtgtatcccc ctgcacagas ggaagtgtat ctgaatgttg 600
tgtatgtggc tgatatggaa gacatacatg tatgcaatcc atcagcgttt aaagaagaag 660
attggctcca gttckgagga ggaggaggaa gattacagat ctattctgag tatttttttag 720
agagttaata tttatatatt tagtaatttt ctggtagaag gaaattgcac aataaaatga 780
tttggttttg wtwgaaaaaa aaaaaaaaaa aaaaaa 815

```

<210> 1305

<211> 529

<212> DNA

<213> Homo sapiens

<400> 1305

```

tcagtgcctt tcagtttgtc aaagagyggg tctcaaaatc ttgcttaaag ggtaaytgag 60
atgtagcaga tttattttact tagtcatgga aagaaaaaaa ttcagtcaaa agctaaagat 120
ttccttttga ttgaagacag attggttctg tggccttgga actttcccag acttaatggg 180
gaaacatcat ttctagatta gcatactctt tggttttaa ttaatatata catttaatgt 240
tacttaggga tactttttata ttttgcatat ataaagcctc atatataaag ctttatttct 300
gatgctctta gatttctgag gagtgaagatg attaagttgt attcattagt gtattgggtat 360
ttcttcacat ccagtgaat tggaratatg ttgtatgtta gaagagcatt ctttaaattg 420
tggttgcctt aacatgtgta ccttttctag attcagtaat cctttcccc crkcmtytgg 480
agtatgaaac ctttagagtc acaataaaat gtaactaaag aaaaaaaaaa 529

```

<210> 1306

<211> 921

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<400> 1306

```

tagtaattat ggacttttaa aactatccat atataccatt ctaacaaggg actctgatat 60
gctcagagta gaggtatctt tctatggntc ctcaaatctc ccagggaatt cactatcacc 120
agaatatagt ctcatgttcc aaagttagaa acaagcatat agtgagaatt catttggtta 180
tgtcttaaaa tattattttg tttcctnttt ttgacagagt gaccttaaac ctgaaagtgg 240

```

817

```

tagcaaggta agaagtcagc ggtttgtctt gtgtttatat ttgtgtttac tcaagtagga 300
ctgcttttttg aaacattttt tcttaacaag agaagttaca aagtatttac tttttcccca 360
agcaaaaatc ctatttttct ggaatttggg ctcagtatca tctcaggaat aaaagaatag 420
ctgagtcttg aacagtagga aacattttgc taatgccttt atacgctttt ttttttaact 480
gaaactccaa agctatgccc tgtgtgggtt tgaaagaaat tagtttatgg gttcagttgt 540
ggaaaaatat cttaacttta cattatgtag gacaagtgat aataattgtt tctgtgttgg 600
aaaaaaataa ttgcaaagtt gttttgtttc ttataggtta tcttctttat ctgtaatata 660
gaggcctttc tgtacttatt ttccaaattt aattcctttt tcctgtaggc tcaaacaggc 720
ccacaccctt cccggttact tagtaatata gcgaaaacaa aagactaagt atttgagtgt 780
ttgaaaactt taatgtgtac tacattgcat accaggaaga aaatatggaa ccattttctg 840
cctccacag cyargtggtt cattccctta ttccctaaca attttcctta atttctgtcc 900
ttcagatagc tggtagacag c

```

<210> 1307

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1307

```

acgacgggta acatccacgt gggcggggggt gggcggtgc ggccagccaa ggcccagggtc 60
cgggttgaacc accctgctct cttggcctcc acacaggaat ctatgggcct tcacagggcc 120
caggggctcc tgatgcccc tccacatgt gagccaggac atgaggcttc cctgaagcaa 180
ggatttcagc cagatgccat agaccctcag aacttgacct ggaagtccag aactgaacg 240
caggcctcaa aactgctgcg gccttccaac tcctgggtatc tgcacggcg aatggccctt 300
cttgcttga tccacagga tggggaaggg aatgtcatta atgtttgtt aatactgatt 360
ctttcatgca atgatgtgta ttttccatt ctggaggctg tgggagatga caagacaatg 420
aatgggaagg tctgacacag aacaaatcag cggttctgaa agcttgggga atctcagact 480
cctttgagaa ttattggaaa atggaccmc tawaacttgg cgtgtgtgtg aactgcttga 540
tgcccatcca ggaaagccaa gttaagaagc tttgcttcaa gtagacacta gaaatccatt 600
cccttgga tttatacagt tcacgtctcc caccatccgt tcattcacc caccctgcca 660
tctctccacc tatccatctg gctattgctc catctagctt tcccgtcca tctaccatc 720
ttccaatcca tcattcaccg tatctgcctt gcttatccaa ctgtctgctt tattcacca 780
cccatccctt tatcattcta ac

```

<210> 1308

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<400> 1308

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acaaaaaaaa aaaaaaaaaa aaaaaaaatt caggccgtta ctggagagtc ttgggggaaat 60

```

818

tttttttttaa aatgtctgaa aattttttcca cttaatccat tgatgaattt caaagcaatt 120
gtatttttttc atacaagcct gccactgtga gcctgttctt attgtatctg agctntttgt 180
gntgcctgaa ttttgtctct taattttctt tcagcttcat agtgwtccat tcttcaattg 240
tgttggaggg aaaaataatg gtagaaacta aaacacactt tgaccttttt tttccaattt 300
gtagatggca tttggtaggc ttttgggagt aatagcctat ttcaaaaatt aaaaggtgat 360
gcaaaattat tgtgggagt 379

<210> 1309

<211> 1444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (948)

<223> n equals a,t,g, or c

<400> 1309

accacgcgt ccgctaaaat atccccccaa accccagcaa tccaaaacac ttctggctct 60
aagcattttg agtaggggat actcaactcaa cctgtatatt tgtgctaata catgactcat 120
tagaatgatt ctttgtaaac ttaatatattt aaaagtacag cacttctgta gtatggaagg 180
tttcagtaat aatttatattc attcagtagt ctcttaccat tatctcccag atggaaaaag 240
aggactaatg tggaaacccc agaggggtgtc cagttggacc agggagatat tagacactta 300
acagtatttt cagtctgtcc atctctttat tccaatgtga gaaatggaag tgtttttttt 360
tttacgttta ttggctcttc atattttctct acattatttt taatgtgcag tttcttcaat 420
tggttagtat ttccatacta tttgcaactt tatggccttt aaatatagga catattatat 480
agcagaaatt ttgactttta atcctcttga gtagtatatt ttgagaagaa aagctatact 540
gctcttcttg atggttttcca tcctttattt aggtcttttc tttttgaatt caagtgtttt 600
gtatgcttag aaagtagaca tgtataatat tgagatcggg tatttctgag ctggaaattg 660
gaaacttttg aaactcagga aattgctctg acaatgtttt aactgctctc aatttaagaa 720
aatgacgaaa tgtataaaaa agacaaaaat aacgtgtgct gttttttcca agtgcttttt 780
ctaagtgtct ttccattgtg caatgagggtg aagtttggtg atttttcggg ttagtagtta 840
aatattgtct aattttttatt tacatgtaaa gaaaacagat ttaaatgttt atgtggccaa 900
aagggtgtcat ttaaaaggta aaataagttt atgtagaatg tatgttcnat ggtgcttatt 960
tttaaaatgt aattcaagtt tacagtatta cttaatgctt ctttacagat ttaatagaga 1020
aacaaggcta gaacacatct acatcctgaa gagccgttta taacttcata ttatatgatg 1080
acaaagttca ttattttcct taaagttgag caattgactt ttatgggtcca atgatgaact 1140
tattattaat aaatgattga gttaactgtg aggcttctca ttaaaataca atattgcagc 1200
tatcagtttg agaatatatt ataaaaattt cagacagtat atcagaaaaa tgtttttatt 1260
tgtactgtat agaaaatgta attttgctgt taactctgta ctttttaaat tgaaaatgtt 1320
ttataaaattt gctttttaat tttcttatga agccatttgc aaattacata cttaatttaa 1380
taaaatactt tagccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaact 1440
cgag 1444

<210> 1310

<211> 353

<212> DNA

<213> Homo sapiens

<400> 1310

atgaaactga actatcttct ttttcttttt attccttctg ggataaagga gaagtaattg 60

819

```

taggaaaggt tatgaaacca ttttacggaa aagtagttag aaattaagcc aggacaatgt 120
cattaagtct tcagtgcacat ccctaggtac agcttttgtg ttttcatctc cttttgtgtt 180
ttcaagtga tagcagaaaa accctttaat ggtgtgcttc ctgtactggg ctacacagtg 240
gtgtwccaag gtatatatga aaccacagtg taaacaaggg ttgtcttccc aagacatcaa 300
ttttgataga aaawtgtgtg tgttcatgtg tgtgtgtgtg tctgggtgta atg 353

```

<210> 1311

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (729)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (773)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (889)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (903)

<223> n equals a,t,g, or c

<400> 1311

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ttttgcaaata ataacaataa tagtaataac acaattttgt catttaaaaa attacccatt 60
catttttcaa acttgactgt tagtggaggg gtatatgtgt gtctgtgttt ccacttatgt 120
aatggctgtc tcattattta aattaattta taattatttt tcagtgtaca gagtgattag 180
cggcttgtaa tgctgttaca atgtagcatt gtaatgtaag atgaaggaaa aattaggatt 240
taggtgggat ttttaaaaaat ttatcaattc agctactttt taaaagaagt cctattccaa 300
ttggaccttt aaaatttttta ttttggtaat atttcmactt argrtgtwtt aaaactrgcm 360
attctgtggg aatcagtgtg ctagtcaaca ttaaaatgct attttgggtt gtcttctttt 420
ggtaacatat tctgacacta agcaacatgt tttacaattt agtggratga acctacaaat 480
tcataaatgc ttctctttat tttgaaggaa aaagatactt gtctgtatac gacataattg 540
ttttactctt cagaatgtga aagttatatt aatcactaaa cactttaaga agtggttctg 600
gtaggatatc agtagtcaga cttaattgaa aaactgtcag cgtctgtttt gtatataggg 660
attaaagagg ataactttat tttttccttt ggaaagaata attcttttgg aattttggaa 720
ttttgatntt cttagatgac ttttttagcaa tttaatgata ataatttcta ttnttcttcc 780
aaaactatgg catgttatag tagatcttac tattaaagat ctgtgtatat tttaaactgt 840
ttttttccta ttctgctttt tgctgctctc aaagactgtg attgatganc atcaccaaac 900
ttnttttgtg ggcaaactgc ttattttt 927

```

<210> 1312

<211> 504

820

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<400> 1312

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aatcatancca tttaatttta agattaagaa tattggcaaa gatttggttta tttttacctg 60
tctttatttca aatgttctaa tatacattag ttccaagttc tctattactt cttaaataagaa 120
tatacatgat caaaagagta tgcctctttc taaatgagaa aaactttata ttataaatcc 180
agtgatacgg atactatcca tcattttggt ttgtatggcc taatgtatat cagtaaacta 240
aatagactta aatgtggctg gattttgact gggaatatgg gaagaacaaa gcaggtgaga 300
tcatgtatgt gactaaatat agcgttgatg cttaacgatg gcctctgagc atgttaagtg 360
tacttatatt ttgcagccaa aaactgtatg tatcaagctc caaccatcta taataaagtt 420
tnggggtccag ttccaagatg gnaaccaagg gttttttttc cgagacgtta agaaaagtcc 480
ttcanccata attcttaacc ttcn 504

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<210> 1313

<211> 864

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (815)

<223> n equals a,t,g, or c

<220>

<221> misc feature

821

<222> (848)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (862)

<223> n equals a,t,g, or c

<400> 1313

```
ctgcttaatt gaagtgtaat atagggttgta gaattgttac ctgcagttct atgggttttgt 60
ttcacttctt ttctttttta aagccattct gttcttttga tgtgcttgaa aggggtgtgtg 120
attacaccat tgtaaatgct gggtaaaaac tatcttcttg cagccttgcc tcataacagt 180
ggaatttctg atagacaaac cacaggactt tgattttaag ccaaattccat ctccatccct 240
ttactgtcaa tcttctgtcc cagtagttta gcctttgtgg cttaggttat gatgcgcctc 300
cttctgtgcg accaatgaga cgacttcagc atctttttta aataatctaa gcatcattga 360
agcagtaaca caaaaaaaag gttcagtatt ttcttttttag tataacttac atcctttcaa 420
ataagtcttt gccctcatga agaatcccta gaggaagata aggaaaataa gtattttcca 480
gttttgcttg acagtttcta aacaaacaaa aataaactca atgaaaggaa agatgtttct 540
ttttagctga gatgacagat tgcttctctg tattaaatag tctagaagtt aaggggatgg 600
tcacatttac catgtattgt gttattagca gttaaatttt atgaatatgt ttgtaaaatt 660
gttggtttat atttcatgtc aaattgaaaa gtttatttct tcaactattgt acctgtggaa 720
atacaagcca ttttacagga aaaaatcttc aaaaactatt aaatggatat cagcctgttt 780
tgtgagccat tgtcttcaga ttctgtgggt gtcnnggggt catagggcat tagtaggttg 840
tacgggtnga ccgatttttc cntc 864
```

<210> 1314

<211> 869

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (784)

<223> n equals a,t,g, or c

<220>

822

<221> misc feature
<222> (836)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (852)
<223> n equals a,t,g, or c

<400> 1314
tnaacccctca ctaaagggaa caaaagctgg agctccaccg cgggtgncgac cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgaggaa cagccaaagt ttatggaatg 120
gtgtgctgag gaggagaacc aagagctcat cgccaacttc aatgcccagt acatgaaagt 180
tcagaagggc tggntccagt tggagaaaga aggacagcca acaccaagag caaggaacaa 240
atcagataaa ctgaaagaga tttggaaaag caagaaaagg tcacggaaat gtaggagttc 300
attggagagt cagaagtgtt ctctgttca gatgctcttt atgacaaact ttaaattatc 360
taatgtttgt aaatggttct tagagacaac tgaaacccgg tctctagtca ttgtgaagaa 420
gctcaatact cgccttccag gagacgttcc ccctgtcaag catcctcttc agaaatacgc 480
tccttccagc ctatatccca gttcactaca ggctgagcgc ttgaaaaagc acttgaagaa 540
atttctctgga gctacccctg ctaagaataa ttggaaaatg cagaagctct gggccaaact 600
ttcgagagaa tctgatcaa cgtggagcca gaagatggca gtgatgtcag ccccggccct 660
aattctgaag acagcataga ggaagtcaag gaagatagaa acagtcatec tccagcaaac 720
ctgcccactc cagccagtag ccggattctt agaaaatatt ccaatattcg aggaaagctc 780
agancccagc aacgttttaa tcaagaatga gaaaatggaa tgcccagatt gctctnggtt 840
gttggaaagt angccaagtt cgtaagagc 869

<210> 1315
<211> 1832
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1823)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1829)
<223> n equals a,t,g, or c

<400> 1315
gccggtggct gctgtctctg ggcgggccgt gggaggetcc cgaggtgggg gccggggcgg 60
gatggctgca gcggcgcccg gggccgggag cgggccctgg gcggcccagg agaagcagtt 120
cccgcggcgc ctgctgagtt tcttcatcta caaccgcgc ttcggggccgc gcgaaggaca 180
ggaggaaaaat aagattttat tttatcatcc aaatgaggta gaaaagaatg agaagattag 240
aaatgtcgga ttgtgtgaag ctattgtaca gtttacaagg acatttagcc catcaaaacc 300
tgcaaaatct ttacatacac agaagaacag acagttcttc aatgaaccag aagaaaattt 360
ctggatggtc atggttggtc ggartcctat aattgaaaaa cagagtaaag atggaaaacc 420
agttattgaa tatcaagagg aggagttgtt ggacaagggt tatagctcgg tgctgcggca 480
gtgctacagc atgtacaagc tttttaatgg tacatttctg aaagccatgg aagacggagg 540

823

```

cgtcaagctt ctgaaagaaa gattagagaa attcttccat cggatatttgc aaacgctaca 600
tttgcagtca tgtgacctac ttgacatttt tgggtggaatc agcttcttcc cgttggataa 660
aatgacttat ttgaaaatcc agtcctttat taatagaatg gaggaaagcc tgaatatagt 720
caaatacact gcttttctct ataacgatca gctcatctgg agtggattag aacaagatga 780
catgagaatt ttatacaaat accttaccac ctccctttty ccaaggcaca tcgaacctga 840
gttagcagga aggggattctc caataagagc agaaatgcca ggaaatcttc aacactatgg 900
aagatttctt accggaccct tgaacctcaa tgatccagat gcaaaatgca gattccccaa 960
aatttttgta aatacagatg acacttatga agagctccat ttaatcgttt ataaggccat 1020
gagtgcgggt gtgtgcttta tgatcgacgc ctctgtccac ccaacgttgg atttttgccg 1080
aagactggac agcatcgttg ggccccagct cacagtgtct gcctctgaca tctgtgaaca 1140
gtttaacatc aacaagagga tgctcygggtc tgagaaagaa ccccagttta agtttatcta 1200
cttcaaccac atgaatctcg ccgagaagag cacagttcac atgaggaaaa cgcccagcgt 1260
gtcgctcact tccgtgcacc cggatttaat gaagattctc ggtgacatca acagtgactt 1320
taccagagtg gatgaagatg aggagatcat tgtgaaggcc atgagtgatt actgggttgt 1380
tggaagaag tctgatcggc gggagctcta tgttattttg aatcaaaaaa atgcaaacct 1440
gattgaagta aatgaagagg tcaagaaact ttgtgcaacg cagttcaaca acatcttctt 1500
cttggtattga cggatgacgg ctcacygaga gcatatctaa aaaacactct gcaaacattt 1560
ggtcacatgc aagttagtgg tcatatgacg gactgcattc aggacaaggg taaagcaata 1620
cttgctttga agaatcacat ttcgactcgg tctgctgac tgagggtttt agattttaaa 1680
tatttatgtg gaattaatta aaggtagtgt gctatatcgc tatcatttca ttcttttgac 1740
attatgtgaa tattttactg gaaaataaga ctaataaatt gttaaaagtt tttaaaaaaa 1800
aaaaaaaaaa aaacgggggg ccncccaana gg 1832

```

<210> 1316

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (611)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (647)

<223> n equals a,t,g, or c

<400> 1316

```

ggagttatca agtggaggag ggattagaac ccaggatatct tgagcccaag caatttgaag 60
gtgtttaagc taattctttt ctatgttttt ctggctgttt atgtactttt gaagtcttta 120

```


824

```

tctttctgtg ttaaaatatg tctatcggtta ttgcattttta cagcatcaaa aattaagaat 180
acttacattc ttctayaaat tgatgcttca aaatagaaaa tttggaattt cagaagctcc 240
agtacagtaa ctaatctgaa attattgatg ctttttcttt cgtcagggaa taactttgaa 300
agattcaaat gatttcaaaa tccaactttc taacgtctgg gagagaattc ctcaaacaca 360
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gaaagaattt actttgggag gtacttaggc atgttatatt aatactaattg tacaagttca 540
gcaatttgta ggagtggaaa gaattggatt aaagtanaaa gtcttaatat ctacacntt 600
aaaatgggga naagcctgtg aatgtgactt aatcaaatcc tggtagntaa accagt 656

```

<210> 1317

<211> 2520

<212> DNA

<213> Homo sapiens

<400> 1317

```

ggcactggag tccgagtcgg cgcactcggt acctgaacag gcgttacagg ccccttggcg 60
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ctattgggtca ggggttagaaa ccccgccctt gaggcatttt caaccaatgg aagcgcgga 180
ttcttcattt aaactgtcta taaatttctg cctagtcaaa gttaagagtg gcgccakgga 240
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cgcgatgatc atcccccttc tagaggagct ggactccctc aagtacagtg acctgcagaa 360
cttagccaag agtctgggtc tccgggccaa cctgagggga accaagttgt taaaagcctt 420
gaaaggctac attaaacatg aggcaagaaa aggaaatgag aatcaggatg aaagtcaaac 480
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acctgatggc agctagttat gcaagcttca ggagaatttg aacaataaca agaattgggt 2040
aagctgggat agaaaggcca cctcttctact ctctatagaa tatagtaacc tttatgaaac 2100

```

825

```

ggggccatat agtttgggta tgacatcaat attttaccta ggtgaaattg tttaggctta 2160
tgtacccttcg ttcaaataat ctcattgtaat tgccatctgt cactcactat attcacaaaa 2220
ataaaactct acaactcatt ctaacattgc ttacttaaaa gctacatagc cctatcgaaa 2280
tgcgaggatt aatgctttta tgcttttaga gacagggtct cactgtgttg cccaggctgg 2340
tctcaaactc caccaaagt acttcttatt cattttatgg aaaagactag gckttgctta 2400
gtatcatgtc catgtttcct tcacctcagt ggagcttctg agttttatac tgctcaagat 2460
cgtcataaat aaaatttttt ctcattmaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2520

```

<210> 1318

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<400> 1318

```

aaatatgtgt cttttacagt cttttgtcat tctgacattt ctggattttt gctgttttat 60
aatttaccct ttgttattca gaagcatgct tactttataga aactaaatgg tctttataaa 120
agtaattact taaaaagaaa tctggggaag aaagatatct atctaatac ttaaattctt 180
ataaaacatt acattgcaga gggggagcta ctctaaata ttttcattgat ttgcatgggt 240
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tcacacaatt ccttgrttag cacagatgtg gactgagtgc tttgtcacct gcagrgtagt 360
aamccagtga tgtttcttac agaagcacia tatgttgaaa atccnggggtg tgaccaatat 420
ggaataaaga agaaggcaga aagagagcaa atgaaaaatt tcaacttgta tattcatttt 480
ttacattttg ctttgacttt taaatttagg aagtcctgtt ttacctgagn acaaattgtt 540
aaagttcctg cgctactctc agtactctca ctgcccctcc ca 582

```

<210> 1319

<211> 1099

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1077)

<223> n equals a,t,g, or c

<400> 1319

```

agccgggagg cgggaggcgg cggccgcggc ggctgctgct gctgcagtgg gacagggtggc 60
ggcgaccggc ggcgctccgag gagatttaat ccagagactg acttcactat agaaccacaca 120
gttgtatcaa tggttgggga aagatagtgg caacaggcaa aggagaaaca gctctgacat 180
acaaagaaaa tgagtatgct aaagccaagt gggcttaagg cccccacaa gatcctgaag 240
cctggaagca cagctctgaa gacacctacg gctgtttagt ctccagtaga aaaaaccata 300

```

826

```

tccagtgaag aagcatcaag cactccatca tctgagactc aggaggaatt tgtggatgac 360
tttcgagttg gggagcgagt ttgggtgaat ggaaataagc ctggatttat ccagtttctt 420
ggagaaaccc agtttgcacc aggccagtgg gctggaattg ttttagatga acccataggc 480
aagaacgatg gttcgggtggc aggagttcgg tatttccagt gtgaaccttt aaagggcata 540
tttacccgac cttcaaagtt aacaaggaag gtgcaagcag aagatgaagc taatggcctg 600
cagacaacgc ccgcctyccg agctacttca ccgctgtgca cttctacggc cagcatgggtg 660
tcttctctcc cctccacccc ttcaaaccatc cctcagaaac catcacagcc agcagcaaag 720
gaaccttcag ctacgcctcc gatcagcaac cttacaaaaa ctgccagtga atctatctcc 780
aacctttcag aggctggctc aatcaagaaa ggagaaagag agctcaaaat cggagacaga 840
gtattggttg gtggcactaa ggctgggtga gtccgggttc ttggggagac cgactttgcc 900
aagggggart ggtgtggcgt ggagttagat gagccacttg ggaagaatga tggcgctgtt 960
gctggaacaa ggtattttca gtgtcaaccc aaatatggct tgttcgctcc tgtccacaaa 1020
gttaccaaga ttggcttccc ttccactaca ccagccaaag ccaaggccaa cgcatanggc 1080
gaattatggc gaccacgtc                                     1099

```

<210> 1320

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (654)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (714)

<223> n equals a,t,g, or c

<400> 1320

```

ggcctgatcc aagtgaccat tttcctttta gtttgacttt gggtgagttg cttagcttct 60
ctgagcctca ttttcttcat ctgtaaaatg ggggtgggtc gcattgttgt tggaggaacc 120
gaatgcctca cccatgggtg gtacttcata ctgttagtgg tgggcagggtg tcctgtcagc 180
cccctccaag gaattcacca cccagcgagg ccactaaaac ctccagagta agtcaatcag 240
ccatactaag gaaagtgcta agggggacag acaaggtgag aagagaatcc tgtgggctgg 300
aggctgcaag gaataagcca agtagaagga gaggaatccc agcgggagga atggggggag 360
caggggcttg ggagatgagg acaggccttag tgatggtttg tgggagacag ctcttgaggt 420
ggagagcagg aggtaggggg tgagacaaaa gtagaagagg gcttcagacc gcaggcccac 480
aaggaggagg tccatgagcc cctgaagctg tttgcacaat tgttcctgta catgtatatt 540
tctgcgcaag actctgtggg ttcatcagat tcttcaagta gtctggggcc attagawtc 600
cctgggtccag ctgggtgcgg tgactcatgc cttataatct tcagcacttt ggggnagggc 660
ganggcaggg agggattcgc ctagagccca ggaagttttg gaggaccagc ctgnggacaa 720
ac                                     722

```

<210> 1321

827

<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<400> 1321
atttacgtat gttacatttt taagtatgag ttaaattgat ataaagtgtt cctcaatatt 60
taataatgta agctgttgtc atgacagtat tttttaaaaa taataacgta tattatagtt 120
acgaaacact tgtgccagat tagaacatca agcacagaag cagctgtatg atttacctgt 180
twttttgaaa ctttaattgt taccttcccc katgtttaat tttnctgtgg tgaacacttt 240
tgttagaaca tggct 255

<210> 1322
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 1322
gcaaaaatac cataaactgg gtgtcttaca aacatttctg aaagttctgg aggctgggaa 60
ntctaaggte aagggtccag caggtttggt gtctggcnag ggccattcc tcaactgcctt 120
cttgctgtgt cactgcatgg tgggaggggc aagcaagctc ccacggcctc ttttacagcg 180
gcccarrattc cattggtgag ggttctgcca tcatcacatc atcaccacgt caccttcagg 240
gctagg 246

<210> 1323
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)

828

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<400> 1323

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gaaaaacaag aaatagaaaa aaaggaagaa ggctgaacta aagcactaat tttatagggt 60
tagttttgtc agaatttagg acatttggaa tcctaacatt aaaagggaat ttatagawgt 120
ctgttcatac cttgtacagg aattctttgt acagcatccc tgtggaaggg cattttaacc 180
cacattcaat tccttcagtc ctaagaacca gtcceaaggc agcttgctcn tctagctccg 240
tagtagccac cctggactta catgtttgaa tgcacctggg agggttttaa aagatcaagt 300
tgcccaggnc acanctgcaa accaattaaa atcagaatt 339
```

<210> 1324

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1324

```
caatgccctt watatgtsct ctktgttcag ggaccytggc aggaaacact cgaattgggt 60
gatttragga gattgtggta aggggacagt ttacaaagct gtgggcatgt ataggaaagc 120
gcaagggata ggacaggggtg ccgggctatt tatagtgata ttcacctctg gcctgatact 180
gggaggaggg ggggtgctcc ctgggacaag accctatgga tgaggcttcc tgacaagggg 240
agactgtgac cgtgtccct cctaccagag ctccctactg gccagccca agcagaaaca 300
agagcccat caggtccatt cgtgtcatct cccaccgccc agtgcagagt ggagaaaagg 360
tctgga 366
```

<210> 1325

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 1325

```
aaacaatttg cttctggaaa caggacagcc ggggccgtgt tcctgcaaca gcagaccaag 60
caccgcgggc ggaccaggc aagcacggaa caagctgaga cggatgataa tatggataca 120
aaatctattc tagaagaact tcttctcaaa agatcacagc tcttagaaat gtgctacgat 180
gtctgtgaag gcatggcctt cttggagagt caccaattca tacaccggga cttggctgct 240
cgtaactgct tgggtggacag agatctctgt gtgaaagtat ctgactttgg aatgacaagg 300
tatgttcttg atgaccagta tgtcagttca gtcggaacaa agtttccagt caagtgggtca 360
```

829

gctccagang tgtttcatta cttcaaatac agcagcaagt ccanacgtat gggcatttgg 420
 gatcctgatg t 431

<210> 1326
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (48)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (138)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (295)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (392)
 <223> n equals a,t,g, or c

<400> 1326
 taatttttcta ttttttagtag agaagggggtt tctccacgtt ggtcaggntg gtctggaact 60
 cccgatctca ggtgatccac ctgcctccca aagtgtctggg attacaggcg tgagcaccac 120
 gcccagggtc tgacattntt gaatatccct atcaaccct ctcaccacc caaagcctgc 180
 tgctcaaagc agctctaagc agaagagatg gagaaacatt cagactgggt ggagcatggc 240
 ccaggctgtg ttgctgcca cttctgtcta gatgggcagt tcttgacttc cccgnetgac 300
 gctgctgagc agccacagtc ccgactgcat tctggcttgt acccttacta tagtgccagc 360
 cacagagagc agccagcagc attttaagta gncaggaaag gcccttctca cagcagtgtc 420
 tggg 424

<210> 1327
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (303)
 <223> n equals a,t,g, or c

<400> 1327
 gcttttttct aattgaagct tggcaagcrg agggaaatgt attagggaaa tagcttttagt 60
 tttgagtggg tgtcagtagc cagctgaaga aaaagcmaaa tgaaataggt agtagaaatg 120

830

```

agaaggggaga gagggaaaga aagaaaaaaaa tggatgttgg aaatttttgtt gcatgtttctc 180
tctggatact ccaaaattat cattgtgggtt attgcctcac ttggcttttg ttagccatga 240
aaaaccagga acatttccac taccatttcc tgaccatcca tcaaccacaa ttttttaggca 300
ttnggttaaa atttt                                     315

```

<210> 1328

<211> 1867

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1328

```

cagttttctca agcgaccgat gttgaggtgg gaactgacct tgtcccttct gtcacgggtga 60
aggtcacact gcagaacaga gtantattgc aaaaagccaa attatcagtc tacgtgcaac 120
caccattaga attgacttgt gatcagttca ctttgaatt tatgaatcga aatcctgatg 180
gcattccgcg agttatccaa tgtaaattta gacttcccct aaagttaatt tgcctaccag 240
gtcagccttc aaaaactgca agccacaaaa ttactattga taccaacaaa tctccagtca 300
gtcttcttag tctcttccca ggttttgcca gtcagtcaga tgatgatcag gtgaatgtaa 360
tgggttttca cttcttagga ggtgctcgaa ttactgttct tgcttccaaa acttctcaac 420
gatatcgcat tcagagtga caatttgaag atctttggct cataaccaat gagcttattc 480
ttcgccctca agaataattt gaaaaacagg gagtcaaaga ttttgcattg tctttttcgg 540
gatctatacc cttcaagaa tattttgagt tgattgatca tcattttgag ctacggataa 600
atggtgaaaa attagaagaa ctcttatctg agagagctgt acaatttcgg gccattcaac 660
gccggctact agcaagattc aaagataaaa ctctgcccc tcttcaacac ctggacacct 720
tgtagatgg aacctacaag caggtaattg ctctagcaga tgcagtggag gaaaaccaag 780
gcaatctgtt ccagtcattc accaggctga agagtgccac ccatttgggtg attctgctga 840
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tgttttgcca ggaaaggaag tagttgcctt tggatcatcca tctgctaata gtcacagaat 1560
acagtgaaat gacatagttt tgggttagat ttataaatgc aaagattcag atccaaaata 1620
atttcatacc ccattttttc acagaattct tatatagtaa atgtatcaag ttaataaag 1680
catctcattg tcaaataata tcttggattt tatttataat tagagggatt tatgagtgat 1740
tgctctacat tatttcttca aaggaaagga aaggaattga agactttgct actctctggt 1800
aagacttgaa tgtgattatt ttataaataa ragaaccact atgaaacttt aaaaaaaaaa 1860
agtcgac                                     1867

```

<210> 1329

<211> 537

831

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<400> 1329

```

ggttaaaata taaccacaat gaatccgaca agtcactgca aggactgtgt gctttatttt 60
gatttgtcat caggaatagg cgatacactg tttggacatc atgaaggaac aatgcaaaat 120
ccatcctttt aaaattcatt ttttaagttcc atagaagatc caaaaaacca gactttttaga 180
gtataagcag tcaaacttaa gaaaatatta tatttactta tgaatagatg ctaagtcaaa 240
agtaagtccc taataaattt taatgtactg ttgttccact aatgttccta gtcatttggg 300
ctcagtagtt cagtcattta tcataatgtg tatcaagata gttactggat attgaggtat 360
tgtttataac attacaaata gaaaaatcct agtgtttggg ataggaaatt aatcataatc 420
tgtcgatcca aacagtggag tgcttttctg gacattatag atgataatgt aggtatttgt 480
tgatatacag agataccaga aaaaagccca tatttacgat ccaatgcta ttttgta 537

```

<210> 1330

<211> 1351

<212> DNA

<213> Homo sapiens

<400> 1330

```

ctcagactgg tctcaaacac ctggcctcaa gtgatcctcc tgctcagtc tcccaaattgc 60
tgtgattaca ggcacaagct actgcaccag gcctctgact acatttctat taatatgggt 120
aggttggagg ttttagtatt tttgtatctc atatttgtat caatatgact ggcttctttg 180
tctgtagtgt gtggaatat tagttctgta aactgtcagt tgcaaaaaaa aaaaatacct 240
tgaactatag tatatgttga taattagcca taataatttc ttagttaatt tcttataatt 300
aaatttgtca aagaggaaac ttacagttta tatctgatga aatctctaaa aagatgggta 360
aaacattggg aaatgtatgc atgtacttca ctctggtttc atagggttag caagtgtctt 420
aaaaacatat ataaagaagc acagagattg ttaggagata tttatgctcc cagttttaat 480
aattgggata ctttgtatac cacagaaaga aaaattacta aactcctctt tttttagtca 540
aaattggaaa aaaagtctta attgacagtt actatgcctg tgctacccat agcaagtatt 600
cagtggaaaa tactttacta agtaagtaat ttgaacacag cttaaaatcc atagtatgtt 660
acaattgcta gcctttcaca aagtttgcac tgtcttaatg tagaaggata ctgtgatcta 720
agaattcaca attttaaaaa gtggaaccta aatagggttt cctaattgcc atgaagtatt 780
ttgtatctta gatgaattat atttacaaca ttgtaaatgt cagtgggtga tccaraataa 840
attgtttrrag ttattaraat gtacattttra gtaggtttca gtttgactag aaataattgg 900
caagaaggca agaactagtc ttctagagca gggatcccat ccccagggtc atggactggt 960
actggtccat ggcctgttag aaaccaggcc acacagcagg agatgagtgg aaagcaagtg 1020
aaacttcatg ggtattttaca gcaattcccc gtcgctcgca ttaccacctg agctgtgtct 1080
cctgtgagat cagcagcagc attagattct caaggagcac aaaccctttt ggaactgtgt 1140
gtgagggatc taagttgcgc atttcttatg agaatctaat acctgatgat ctgttgttgt 1200
ctcccaccac ccccgatgg gaccatctag ttgcaggaaa acaagctcag gctcccactg 1260
attctayatt atagtgaatt gtgtaattat ttcattatat ataacaatgt aataataata 1320
gaaataaagt acataataaa tgtaaaaaaa a 1351

```

<210> 1331

<211> 1231

832

<212> DNA

<213> Homo sapiens

<400> 1331

```
ctgaacactt gaaacatgat gaaagagcca cagagttggc agaactgttt gaaaatgctg 60
tgcaagcggg cttctctgtc ttctttatgg ccagtaaaat tctccagaag agatttatgg 120
cagcctcact ccagtagtt tctgcattta gtgagataag gaatggattt tcttctgtgt 180
attgctgaca cgaacaggag acggaaatac tgagtagaag agrgcgggtc cctgctaagg 240
ccccaccctc aagcctggat acccgcggcc ctaaatgaga agaggcgttt ctgtttgggg 300
cccaaaaagt tgctttttga cccaccacgc cccctatcct gccccatat aaaccccaaa 360
ccccaacctc cagagcatac cagcaggtga ggagatacga ggcaagccga ctgacggcaa 420
aacgacgtag cagagaaaga gagaagagga gggacgtctg gacaccgaga gatgtttggc 480
tcggggcagt cagagcggag tccagccctt gggcggccca actccagggg aagatcacct 540
tcccacttca tccatcccca ccttccagc tcccatacca tcttctgtaa agccatttcc 600
accactcaat aaaacctcgc attcatcctt caagtccgtg tgtgaccga tttttcctgg 660
attctggaaa agagctcgga atacagaaag ctgtcccttg gtcttttgcc cttgtgaaaa 720
agcagaaggt ccattgagct ggtaacact ccagctgtct gtggtggcca agctgaaaga 780
gctttgtaac actgggggtg caggcaccca cctctagacg ctaccgcaga gccagagccc 840
aaagccctca ccccggcctc tgcacttgcc catctgcgtg ctccccctct cgcaaggggt 900
ttctgcagag ggggctactg aacaggtgag ccacacccct gtgcacgcc ctgcaagggg 960
aatcagggaa ctcttccgtt tcattgcttt gaccacatcc tataaatctt gttctccttg 1020
tctttcagct ccaatttggt tatacattca gtttttactt ttgactttac tcatgattta 1080
ttatagaaag atgtttaaca attttcaagc aaatggaata atttttgctc ctctttcgtt 1140
gttaatttat tattcattgg agttagaaaa ttgttgctaa aataaattct gcattttgaa 1200
atttaaaaaa aaaaaaaaaa aaaaaaaaaa g 1231
```

<210> 1332

<211> 1280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

833

<220>
 <221> misc feature
 <222> (133)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (154)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1166)
 <223> n equals a,t,g, or c

<400> 1332
 cacgacaggt ttccccgactg aaaagcggnc agtgagcgca accccantta atgtgagtta 60
 gctcactcat taggcacccc agnctttaca ctttatgctt cccggctcgt atgttggtgtg 120
 naattgtgag cgnataccaa ttccacacag gaancagcta tgaccatgat tacgccaagc 180
 tctaatacga ctactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc 240
 gggctcgaccc acgcgtccgg gaggcagagg ttgcagtgag ccgagattgc gccactgcac 300
 tccagcctgg gtaacagagc aagactccat ctcaaaaaaa gaaagaaaga aaaaagaaag 360
 tacaagttta taaagtatta tagtgaaaaa ttgcgattct ggctgatttt aagccattta 420
 aaattttatat aaaacaacct tccataaaaa ttgacaggt gccagatgt tgctttctcc 480
 atttattttt tgtttttttt taatcacagt aggtctgata gagaattgga gctaaattat 540
 aatatttttg ttggtaaagt tgagttatat acttgtagat acaatggaaa tgcttttagt 600
 agtgattatt tagcaatttt tgtttttggt atattaggca tgtttgaggg ctttcctatt 660
 ctagcattta aatttaaatt ttattaaaat taataaattt aaatctagca tttaaattta 720
 aataatttaa gtctagcatt tactttttaa taattataat gaagttttga aataactaagt 780
 taatccagac ctttagttgt cccatggtgt taataaaggt gccaaagaag atgtattatg 840
 aacaattcag caataagaca attgtcaaca cagttgagaa taacaatggt aatcgtagt 900
 aatattttaga attggaattt gcctactgaa atagttatag atgattactt gtgatgtgaa 960
 actgaattga gcatgacaac cagacatttc cagttgggtt tgtaagtttt gagaatctag 1020
 atactgggtt ttattttttt aaagattagc tctgtttgta agggctgatt ccttgaaaat 1080
 gtaattttcc agaaaaacac ctaaagaaaa taaaacatgg acatgcctag taaaaaaaaa 1140
 aaaaaaaaaa aaaaaggggc ggccgntcta gaggatccaa gcttacgtac gcgtgcatgc 1200
 gacgtcatag ctcttctata gtgtcaccta aattcaattc actggccgtg ttttacaacg 1260
 tgtgactggg aaaaccctgg 1280

<210> 1333
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 1333
 ttggccaaag aggttaaacc ccggggggttc cccgggggaa aaattttccc ccccgggggg 60
 gktyccggaa accccccaac cggccccggtt yccccggggg ttcccaagtt taaaacccca 120
 aaatttgg 128

<210> 1334
 <211> 438

834

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 1334

```
catgcgcaag gagaagcgcg tgtacagccg cttcgaggtc ttctgcaaga aagaggaggc 60
cagcagccct ggggcagggg aaggccccgc ggaggagggc accaggggac agcaagggtg 120
gcaagtctgt gcccaanatc ctgggcacgt tcaaaagcaa gaartgatct tctggcctgg 180
caaccargc caggtgcccc catcgctgcc ccggtcatcc agaaccgcc ggaacarara 240
cctgtctcat gtgcttgagc agcggctgtc agccacggcc gcttggggct tggctgagtg 300
cgccagacct cggctccact ggaggctcaa catgcagctg ccgtctctgc cccctggcct 360
caccaacagc tgggctgcac ccctcgccac cagtgccttt ctccccctcag caccttcac 420
tctgcaccgt cagccttg                                     438
```

<210> 1335

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 1335

```
gctcacttta cctctcagag actacttggt gaatttctgc actggtgtgt attctcttgc 60
ctggcaagtt aatagactaa gtttcacttt gtgtgtgtgt gtgtgcatgt gtgtgtaagc 120
actggtggtc tttgttttat tctttgtttc tttgattcct gtgccacctc ccttccccat 180
tctcccaaaa aagacaagac aaaattaagc acaaatectc acatttktgt gtgtttatca 240
katacactta caactgtgcc cattattatg tcaagttaca taccttgcaa aatatgggtt 300
gtctcctata ctgctggctt gcattctcacc ttggaaggca aaaaanaagg          350
```

<210> 1336

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

835

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<400> 1336

```
aagggttttga ctgtgtttggg gtggggggttg ggtaaggga tgggtcaagac tgagaaagga 60
atgaaatcca ttcaggaaat atcgacaggg ctacacrtga tgtcccaaaa ctgctgctat 120
tgaagaactt cccaaaactt ctttaciaaag ccctaaagga aagtttgcat ctatgaaaag 180
ccaataggtg agacatccaa ttgctgcatg gaaattgatg tacattcagg ggacggcaaa 240
aatagctgta aaatagtga aaagagcagt ggttggtgctc ttttctggcc aatgrtttac 300
aaaaggaatc tacttggact tctgtcccgg gggtkgaaat ccttaggggt tkggaacttg 360
tgggggaaca tttcccaact tggctaaggc aggggttcen ctgggggagg ggaaggntct 420
attctggggg aanttcaccc ccccggcggc accacacttt tcccccgagg gttccccaag 480
ggccccgcag                                     490
```

<210> 1337

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (676)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (734)

<223> n equals a,t,g, or c

<400> 1337

```
atagaattct gatgattatg accttctgat aatgaacact ttttccttta gagtgattta 60
aaaattttctg tatttttgaa atcagtacta attgtcattt ttttctctca cagcttcata 120
ttctccaatt cagcctcatt ctctaataaa acatcagcag attcctcttc attcaccacc 180
ttccaaagtt tcccatcacc agctgatatt acaacagcag caacagcaaa ttcagccaat 240
cacacttcag aattcaactc aagacccacc cccatccag cactgtatac cactccagaa 300
ccatggcctt cctccagctc ccagtaatgc ccagtcacag cattgttcac cgattcagag 360
tcateccctct cctttaacag tgtctcctaa tcagtcacag tcagcacagc agtctgtagt 420
gggtgtctcct ccaccacctc attcaccaag tcagtctcct actataatta ttcateccaca 480
agcaettatt cagccacacc ctcttggtgc atcagctctc cagccagggc caaatttgca 540
gcagtccact gctaatacagg tgcaagctac agcacagttg aatcttccat cccatcttcc 600
acttccagct tccccgttg tacacattgg ccagttcag cagtctgcct tggtatcccc 660
aggccagcag attgtntctc catcacacca gcaatattca tccctgcagt cctctccaat 720
cccaattgca agtnctccac agatgtcg                                     748
```

<210> 1338

<211> 112

<212> DNA

<213> Homo sapiens

836

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<400> 1338

```
cctaggcctc ctatttattc tagccacctc tagcctagcc gtttactcar tcctctgac 60
aggggtgagca tcaaactcaa actacgccct gatcggcgca ctgcgagcan ta      112
```

<210> 1339

<211> 622

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<400> 1339

```
ncgtcgagga gcctatgaat gcgatatcag cgttatcaga aagscgaaaa aaacttaagt 60
tgaaccatyc taagtcgggg actgtctrct cacccttgcc gacttgacct ctttttccc 120
gttctctaga gtcagtatac caccagcccg ttctccaccc cgcaaggcgt gctttggaag 180
cctgactcta atcgcgctct cccctgccta aaacctgct gtgatttccc attaccctta 240
gtacagagcc acattcetta acgtgtccga cgtggtcagg cctcccaca cgtctgcagt 300
ttcgttttcc gccagccttg gsccttgctt ctgctcttcg gttcctcaca ccatgattcc 360
tctaggccar gcgtttgcat gcgctgtctc sctgtaaaa ctaacttccc ttcccttggtg 420
ggctcagatc ccggctcagg tagcaggtgt gagggtcaagc agaggaggtg aatcttcttg 480
gagagcaggt agcatagtaa gaagaaaggg ccatggtcag aacctggag aacaccggtg 540
attaagaggg aggganggag ggaanggat tanggaagga acagttgata ggaggagaag 600
cagagtgcta tcaacgaaac ct      622
```

<210> 1340

<211> 624

<212> DNA

<213> Homo sapiens

837

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<400> 1340

```

gtaacaggag gatatcgtaa ttttctactg ttttattcct ctgttagacc gggccttgac 60
atgaatgacg ccgtaaggga naaagagatc ttcccaatca gcaatcaccg taaaagcctg 120
ctgtgttccc gttaaaatta ggaaattctc actagatgaa ttgacatggg aggcatttag 180
atttctaata gtcacatagt aattctgcgg aggaattgag tcattcttga tagccatgga 240
attaagcgat gtttaattaaa gtgcaaaaaga taacctttct gttcttacta gaatagagta 300
ataaaaagaa cctagggtttt cttttgtttg ctggaagaaa aatcaaaatt ctttagttct 360
gtcaaaccag aactcttgaa agcactttga acaatgcctg gaaaataaca ggtactctgt 420
aaatgtttac cttctctgca agtgcctgcc acgtgcccga agaaaagaca cattaataag 480
ttaagtgaac ccagtcctga ttttatatat tttatatacc taacaacgta tatgttagta 540
tgtagaaatt atatccttga cctttttccc tacctattac gaactgtact tttattaaaa 600
gctgccactt aaaaataata aata                                     624

```

<210> 1341

<211> 962

<212> DNA

<213> Homo sapiens

<400> 1341

```

tattcattct tttggtcacc tagggatctt ctaagtgtga tattactttc agagaattca 60
gacaagtgag aaacaataat gtaggagtca gcaaagcaga attcagagac ttcagccaat 120
cactgctgct ctgagaggat ccagttagag actcagtatc agcgggcaga acttatctca 180
ctcctgtgaa ctttcagggt ggacttaaag ctgccaaagt tcccctgcag gaaggaaaca 240
ctgcytccct tcagcaggta gctcatttga aagccaamca ggcaaacgat cctggcctct 300
cccgccagct gaccgctctt cagcatccat gcggtttgta gtcgtgactt tctcagtcac 360
gatcaagggg gattttttct taaatatcaa gctgttcttt gaacagggaa tgaacatgag 420
tttttgtaac gtgactgaag ttgagtttaa gtaggaagcg caggaagtcc ccaagtgcc 480
gggtgtgtga gctcagagtt cctttttacag tgagggtgtc ctcactgggg gagcttccak 540
gatcctgagc agactggaca caatcatctc tcccttctc tatgtcaagc actgttacia 600
aagactgtga gcaaatttcc atctaaatat taataattct gaagaagagg caaaactgtt 660
gaatgcaagc gatacctatt gttgaagaaa cccacaaatt tctgattcta agatcagggg 720
atacaacaaa atctacaagt catttcaa atgcacacagg aatcaaaact tggtaaatca 780
tttctgaggg acaattaaat atattgtagc actatgttaa ttaattatat taaatgtcga 840
ttcatcttga atgtattctc aattgcctac caaaaattgg tatgattatc atttctgggt 900
ctactgattt ttcatcatgg caacagaaat tgtcattaaa tagaattaag atacaaaaaa 960
aa                                     962

```

<210> 1342

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (234)

838

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<400> 1342

```
agcgttggtta gtgcatgaag acaagctgcc agaggggtttt ggttgatatgt tacacagtgt 60
gactagttcc tatctaaaaa ttagtgtact gtatttagct ctttatttaa aagtgaacac 120
taatttaact tatcttaaaa tattttaata gttcagacta ataatcatgg attttatggg 180
gattttgaaa gctttgtgtc aagaccatat ttttaacaat atcagaagct ttnnantaag 240
gtgcttggtg ctgagctaata ga 262
```

<210> 1343

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1343

```
cggacctggg gcgcctttgt ctaacagatc tcggtttctt aaaaaactaa accgcctggg 60
gctgtcgtcc cagagcccgg cagttaggac catgcgggaa gtgtcctggg gcatatagtc 120
atactgatga ggtgaaagat acacctcgga accaagggcc accctctact ttaaggaca 180
atggcgccgg gaccaagaaa ctacacttcc cagaaaaccg tgcggccgtg gcaaactctt 240
ctgggtctag cgtgcgtca cactaatgtt tatctcccgg gacgtgggca gacctgtac 300
caggcgagct ctgcctttg ctagcaaaag agctcctctc ttcccaaacc ctgctactac 360
gctgtccacc ctgtatggtc tttgaggtct ttgaggtttt tttggaattc acttgctgga 420
gactacagct cacagaacgc cctgggctgg attgtgccag ctgtagttcg cgaaccaagg 480
acatttcctg gaaatgcatg cggccacgta tctgtgacag aaatggcagt tctcacgtgc 540
gttacgcccc ctggaaggac ttggaaatac ggaacttgag tgagcactga gaggacacag 600
accctcatcc tgggaggagt cactcctccc gcagccatca gagcctgaca accgcttctc 660
accagaggcg cttcttagac cctgaccttg cccggtcac ccaaaggggc aatggccttc 720
tttgatgca agccagacag tctactgttg tatatttgaa ttttttactt tatttttaata 780
attttaatta aattttaatt taatgctgaa aaaaaaaaaa aaaaaaaaaa ggg 833
```

<210> 1344

<211> 446

<212> DNA

<213> Homo sapiens

<400> 1344

```
tgagagtctg acatgcatat cataatttta tgtcaggat tatagatatt ttgaaatggg 60
gactgactct tttgaaattt taagttcttt agaattgtgac gcttttaata tagcctctgg 120
tttttagatgg agaaacacta tgctattgtc attaaaaatt aattctattt cccaattgt 180
ctaataatatg tcttaaaaaga tctttcatat tgtgaaacat cagaggggtac aacctttgtt 240
cttcagttta ggtattaaag agcacacaga atactgtgtg attaaacatg taaggccaga 300
taatgcattt gcaaagggtc ctttatttta ggtttaagcc tgcataattg tggctttaat 360
ctcaggatag caagaaagag aattgtacat gaaagtattt acacaaagtt cccaaagccc 420
tgtggattat gcattagttt agataa 446
```

<210> 1345

839

<211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (299)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (345)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (361)
 <223> n equals a,t,g, or c

<400> 1345
 aattcggcac gagcagacct ggattgactg aggtgaaggg gtccttgca gcaatcacac 60
 agaaggctcg ggtcttaaga ttggccctgc tcctagtcaa gctgtatgaa ccagggtagt 120
 cactccggct ttcagggcct tgatttcctt gtctgtaaaa gggactttac gatgcattctg 180
 gcaacctcac cttcctcact gggcaatktg aagaccaaag gccggcaatg aaattcccag 240
 cattaggttt gtcatatagt agtcctctct aagcatttgt tgaatactca caggacant 300
 taggccagtc agcattattg aaataacagg tggggttttt ttantttgtt ttgttctttt 360
 ncgaat 366

<210> 1346
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (340)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (425)
 <223> n equals a,t,g, or c

<400> 1346
 ggcaagggaa cccaagctg cagaagctga aaggcgggtga ggaggggcct gttctgatgg 60
 cagaggccgt gaagaaggtc aatcgtggca atggcaagac ttcttctcgg attctcctcc 120
 tgaccaaggg ccatgtgatt ctyacagaca ccaagaagtc ccaggccaaa attgtcattg 180
 ggctasacaa tgtggctggg gtgtcagtca ccagcctcaa ggatgggctc tttagcttgc 240
 atctgagtga katgtcatcg gtgggtccca agggggactt cctgctgggc aagcgagcat 300
 gtgattgaac tgctgaccaa aatgtaccgg ggctgtgctn gatgccacgc agakgcagct 360
 tacagtcacc gtgactgaga arttctcart gaggttcaag agaacagtgt tggcttgtca 420

840

aaggnc

426

<210> 1347

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 1347

```

gggcatcact ggtctcgcgt gcgcgtgacc aggncccggt ttccggtgcc aggacctttc 60
cgaagcgtcg agtggcctaa cggtcacagc tgtcgcccat cggagaggca ggactactgc 120
gagcagtttt accgcgacct ccggagccgg cgtgacaggc tctgtcayta aaataggtct 180
gtccagtcgt actttttcct caccttgaac ttcccgtcac gggaatacac gatttggctt 240
aggggcccgg gctctcctga ggagagaggg ttgtctttgc ggggaagagc gagtcttgac 300
ttcgcagcct ccaatttcag ccgcggtgtg gaggggggtg ctttgggtgg tccccacagc 360
ctttccggag tgcccgcgcg tgtragcttt tgagatttga caatttgtga rgtgcttggt 420
gctgactttc ggggacgaca ggatcctttt acagtcattc tcctgtcagg graggcargt 480
ggggagcgag gaagatcaga wtcgtaacag acttgagtta aagaattgac aaactcccca 540
gntgatttcc tgtcanacct ttgcggtg                                     567

```

<210> 1348

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<400> 1348

```

ccacctggag ctgcttctct agttggcaca ctatcgtgta cacagcagtc ttcagccccc 60

```

841

```

tgggaaggagg ccatagtcgt gtgaggatgg caaagtcgaa caggaagctt tgagtgcctt 120
cctccacgat gtcaacgagg agatccagtg ccagatcgag gtggatggaa caccagggg 180
taggggtgca ggtgtgggca gtgatgtccc ttccctccc tccctggtc ccacagactg 240
tggccatgag gntgcaggct ggtgctatga cagcagattg cagcacaggg ccctcccctc 300
cagccccag tgggacatca aaaccaccct ggggccattt gtgcagggca ccacctccag 360
tattgatggg gaaaataaac tcagtagagc cagcacaggg tggagagaag cagggaccat 420
tgtcttctc aggagcgtga cagctgacct cacagacct gcttgctggt acacactggt 480
cccagacca gcctgtcgga catcagcagt gtgctaataa cgtgtaagat gtcataatta 540
ccgtgtgtct atctagttga catgggtgga ntcagtaagg gg 582

```

<210> 1349

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<400> 1349

```

ggatacgaat tccctgattt tctaattgct ccagcaacac ctggttggtta tttccacgaa 60
atgcctgtcc ctgccagtca atatctacat ttgcgtccgg ttgttgctg atgttgggcg 120
tatcatcagc ggcagctgag ccgtaaaatt ttgccggacc gttgccagaa tttccacctc 180
atcgccaacg cgaatcacgc cgctattacg ggcaattaaa ttctgaccaa aatcgacatc 240
gccgttatcc tgggcaatgc ggaaaagatn gcatgtttt 279

```

<210> 1350

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<400> 1350

```

cagnagagctg aattctgaag cctgagctac tgagaatgct gataaaagat gttataagga 60
ctgtgttgga acctgctgtg accaccccgcc ttcataatgt tataacatag caattcagaa 120
tagtaacgta tgccctcat gaaaagccaa gcagtgcata aatccactcc aaaaagccag 180

```

842

```

actccctccc agcactgagc cccagcttct gtgttcccct ctccaaaggc agtgggttgtt 240
attagttact tgcataatcct gttggatatg tgttttctat cagggataaa ctatacagat 300
atgcayttac aaacatatca tattatttat ccttgacaga aaacacaagt gaagtttagc 360
cgacgatata cattgtccta caccttgtat tttagatcta acattgcctt ctagagggtca 420
acagtacaca tgaaartgcc tacgtctttt cattagctgg acagcatgct gttacatgta 480
tangttaata tccgaacctc agtctaacca tacctactgg gnccttta 527

```

<210> 1351

<211> 636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

<400> 1351

```

aaaactggag ctccaccgcg gtggcgcccg ctctagaact agtggatccc ccgggctgca 60
ggaattcggc acgagtaaga agagctgggt gtgagaaatt agagataata cggaatctta 120
ttaatttggg gtcacgatat atagtaattt ttcactaatt tctgacccaa ggaaaataag 180
caattagtag taactaccat gctgtgtttg gctctagagg gcattttaa ataaaaattg 240
ggtaatntta tgtatgtttg acaaataagt ttcattttac aaatgagttt tgccaaatat 300
tttacacact tctagtatcc ataccaaatc tttttaatga gctctaaatt ataaaagtac 360
aaaaagccac tggaattgag aggatgtttg caaagaagga aatcctgtgg tataaatgac 420
ccaaatttat agtattttca ccatactgta actagattga aggatttttc tattgcattt 480
tgtaatttgg ggaaaacctg tttattttct ctgtcagact tctcttaatc ggaaatatat 540
atagtaaaat gtacacaaaa agtacttttt acattatagg tcatttttaa gttaacagta 600
ttgaaatatt taanatatag gcgaggcatt cactga 636

```

<210> 1352

<211> 554

<212> DNA

<213> Homo sapiens

<400> 1352

```

ccatagtaac tttatttttt ataatagaat tttctatttt tgaccaaaca taaaatattt 60
ggatatgggc caggcatgat ggctcatgcc tgtattccca gcactttgga aggccaaagc 120
aggagactcg gttgaggcca gtagtttgag accagcctgg acaacatagt aagattcatc 180
tctacaaaaa aaaaaattag ccggatgtga tggcacatgc ctgtaatccc agcactttgg 240
gagtctgagg caggaggatc ccttgagtcc aggagtttga ggcttccatg agctttaatc 300
acaccactgc accccagcct gctgacaga gtgaaacctt gtctctaaaa agtctgaata 360
tgaaaattat attggcagca tactcagaca taaactccaa agttgtctct acactgattt 420
cacatctgca taattttctg cataccagc aggtgaattt tcagtttttc tgggagacaa 480
ttttgaagag atggtgaaat agaatgggaa gttaaggagg ggaggtaaaa tgttttaaat 540
gagaagaaca aaaa 554

```

843

<210> 1353
 <211> 683
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (672)
 <223> n equals a,t,g, or c

```
<400> 1353
atagccaatt ctaagggatg tacttctggt attatcaaca aaaaccttgc caacagctgc 60
ggcactggct actctcacct tatatgttta gtcccaaga tagcttgccc tttccgaac 120
agcagtcagc tcgactgtgc cactaaaaca gacaaatatt tgctcgggaa tcacaaccac 180
ggggacttgc tccccagtt aggaccatgg tacatatttg tgtgtatatt atgggtgttac 240
atgcagatta atactttcaa ttaatcctcc tagttgcctg taacgttaac atttcaagat 300
gcatttagat atttttatcc tgtaggagga ttttgtttat ttgagggaaa aaaagggctt 360
ttaatgtatt ctctcaaaa accatttaga gaaaacagat aagtaaaaat aaratttaaa 420
ttaccatatt tctatttaca gggatgagca cattaacatt ttatgtattt agtgatcctt 480
tttctcatg tgtacacata tgtttttgtg tgtttagtctt gcttgccctc cccatagtct 540
gaaatagktc tatgragttt atattawttt taaacytgat catatmcaa ttttcaggga 600
aacaaccac tctagctatt tggaggaggg aatgcagggt tatattgggg gagttttgga 660
aactaccatg gnttccttac caa                                     683
```

<210> 1354
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (424)
 <223> n equals a,t,g, or c

```
<400> 1354
ttgtgatatt ttgactttgc ttgtagctgc tccccgaact cgccgtctts ctgtergcgg 60
ccggcactgt agattaacag gaaacttcca agatggaaac tttgtctttc cccagatata 120
atgtagctga gattgtgatt catattcgca ataagatctt aacaggagct gatggtaaaa 180
acctcaccaa gaatgatctt tatccaaatc caaagcctga agtcttgcac atgatctaca 240
tgagagcctt acaaatagta tatggaattc gactggaaca tttttacatg atgccagtga 300
actctgaagt catgtatcca catttaatgg gaaggsttct taccattcag gcaatttagt 360
tacttcatct gtggagtaaa ggagtggatt ttattgtent tcgtottaca ttctgattta 420
tatnacataa gttt                                     434
```

<210> 1355

844

<211> 433

<212> DNA

<213> Homo sapiens

<400> 1355

```

gcgatagtgg gagtgtttaa gaagacagac taacagacac ctgttacttt ggtgtctgca 60
tttttagtagc tttcttttaa gcagttgtaa actgtgctag ggcattgtct ttatctttgt 120
cttgacacctc atctcttctc tgaccacctt gttatatgta tgaccacctt taagaatttt 180
aatttttgtgt gctgcctccg tcaactgctgt gaacaccac atggagtcag gcaccacccc 240
accctggcac ctgctagcac cctgctgcac ctaacaagt tataccctgc tgcattgctg 300
ctgcttctggt tatgtgtgaa tgargacaat cttgttgcgt tcacttacia atgctttatc 360
tggcaccacc catcggtgtw tartgamtgg tggkctgara rtaccttagc cccaaccccc 420
scccacacca gtg                                     433

```

<210> 1356

<211> 632

<212> DNA

<213> Homo sapiens

<400> 1356

```

tttttttttt tttttttttt ttggataggg tcttctcgtc ttgctgtttt tcttttttat 60
atwttaacat twctttgttt gtawatcmag ttgtwctaa aatatcttcc araaacattt 120
cttttacttc aaatggctwt cctgtatat atatcmtgg acaacttcca aaatatctta 180
taaagagatt tacatcmaag gcagcactag aaagaattag tttcaaagt ggggtgcttt 240
gcaacaaatc tcttaacttt gtaagtaaaa aatcactaaa tcgatccctt tcatgcactt 300
catccacgat aacatgtgtc acagtcgaca acgtactatc tcttgccatc aatgtacgaa 360
gcaatacccc attagtacaa aatgtcagaa gtgtytttgg agaaacctg ctttctaata 420
ggatctgata accaattggt tgaccaatcc tttcccgctc ctctgcggca actctttcag 480
ccacagcgat agctgccaat cgtcttggtt gagtacaaaa tatacggcag gggataccat 540
ttttaaagca atcatctaaa aggaactgag gaatctgtgt ggtctttcca gaccagttt 600
ctcctacaat caaaactact ttatttttct ta                                     632

```

<210> 1357

<211> 968

<212> DNA

<213> Homo sapiens

<400> 1357

```

ccctggcccc ccccccccca gtacagggaa cgtgctttac catcgtttcc ggcgctggac 60
ggccgtcact gtttccggac cccgcaattt ggggtagtgt tgttgccat gctgtcctcc 120
ccaaagcagg aatgaacacc cccttaacgg cgggcaaaaa accgagggga acccgactg 180
gccaagaatc ctgagkagtc cgctacattg ccaamgykct cgctgccaka cgaaagcgag 240
scgtctgcag cgagtggaa ttcgccgcct gtgtggtgga ccgcctgtgc ctcatggcct 300
tctcgtgctt caccatcatc tgcaccatcg gcacccgat gtcggctccc aacttcgtgg 360
aggccgtgtc caaagacttt gcgtaaccac gcctggttct gtacatgtgr aaaactcaca 420
gatgggcaag gcctttggct tggcgagatt tgggggtgct aatccaggac agcattacac 480
gccacaactc cagtgttccc ttctggctgt cagtcgtgtt gcttacggtt tctttgttac 540
tttaggtagt agaattctag cactttgttt catattctca gatgggctga tagatatcct 600
tggcacatcc gtaccatcgg tcagcagggc cactgagtag tcattttgcc cattagccca 660
ctgcctggaa agccttcgga gagtcccca tggctcctca ccaccgagac agttggtttt 720
gcatgtctgc atgaaggtct acctgaaaat tcaacatttg ctttttgctt gtgtacaaaac 780

```

845

```

ccagattgaa gctaaaataa accagactca ctaaatecctt tccaataatt gactgggtgga 840
aggaaaacaa aaaacaaaaa ctaaaaacct cttagctttt ctgcaattca actttttatt 900
tttattttta tttctatcaa agacggtaga gagaaacagc ttgatgctgt ttctacatta 960
aaaaaaaaa                                     968

```

<210> 1358

<211> 718

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (692)

<223> n equals a,t,g, or c

<400> 1358

```

cacaaaaaaaa agtacattgc tgattccatt tcagcatcac tcaattacca ttctctaact 60
gtctctgatt tgtctttacc aaaagccaca tctggcataa ttggcaaaag actttttttt 120
tttccccacc attccaatga acacaaaaat gacattctca acatcaaadc aaatgatcac 180
atttttattc atattttact ccaactgaaa tgaaggatat aactaatttg tccatttttc 240
tttaagcaca tatctgtatt cattttgata acccagcact cttgattggt cccttactga 300
atgtttgtct cttagtatcc tttgcccatt ctactccttt aaaaaaactg ttgcagtaac 360
caaagagtta tttttgattc cacgtctttg tcaaactaaa gtcagctctt tgaggcttct 420
ggattttgat attaaatatg tgtttagcag ttcaaatttt atatatgtat attctagctc 480
agatccagaa atctattttc ttcttatcat tctcacttgg attcctcaag caatttaaca 540
tgctctaaat atttcttcca tgtttattta ggtttcaact ctacatacag aatagactaa 600
tttaataatt ttataacaatc cttggccttt acttttatatg atcttctaca tccaatagaa 660
ggttggtcaa gtaaacnta aaaacctatc gnacactttt taatctctga attttcat 718

```

<210> 1359

<211> 1628

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

846

<222> (1600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1614)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1623)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1625)
<223> n equals a,t,g, or c

<400> 1359
ccnggaatnc cgggtcgacc cacgcgtccg gcgcgctgcc agcagccagg agccaggagc 60
caagagcaga gcgccagcat gaacttgggg gtcagcatgc tgaggatcct ctctctcttg 120
gatgtaggag gagctcaagt gctggcaaca ggcaagaccc ctggggctga aattgatttc 180
aagtacgccc tcatcgggac tgctgtgggt gtcgccatat ctgctggctt cctggccctg 240
aagatctgca tgatcaggag gcaactatct gacgacgact ctcccgacct gaaaagcaca 300
cctggggggc tcagtgcacac catcccgcga aagaagagag cccaaggcg aaaccacaat 360
ttctccaaaa gagatgcaca ggtgattgag ctgtaggtga gcagtgcgt gaagaggggt 420
tctagccccg tggaaaacag cccatgggta acatctcagg atgtyctgca ttcaaacc 480
caaggctggt aatgaacttt cacatggact gaattattga ggcaaataat agaaggaata 540
gaatatacag tgccctctgtc ctgaaggaaa atatcatgcc tcttctggaa gaaacggact 600
gcacagagga aggattgagc aatttagcct gcagtggag aaggtggaca ccaaagctt 660
caccctgtgt tggagctgtt catgcttcca tgaggccatg gtgtccatgt ccgtggaacc 720
taccacagaa aatggctcat gaaaagggga atccgaccca acacacagct tctacactg 780
ccatcttata aacagttagg cactactttg tagaacgatt agcttcaccc tcttagctgc 840
caggagatcc ctctcttaaag atggactatg tgaagattcg ggagtccga aacatgggga 900
ctccgggatg gtctctagcc ctatcgatga tgaacactgg ccttctggag gggaaatggc 960
agtctgggct ggctgtgtag gaagggtttt ggtgttcatg gaatgggctt gctgctctca 1020
gaccttcaaa ggatggaacc aacgaaggac caaatgagaa agcagatgct gtgccttgca 1080
gagggccatg aatgtcagtt attatttttc tcttataca attattttgt ggttattatt 1140
acaatgtaca tggctgttgc atagaagaca tgactggtgg aggctgagga aagccatgac 1200
attctacaat tgccatcagg ctaaggcccc gtgagcattt ctctcccttg taatattaac 1260
cctgtatttc tgggatcaca tcacggaata ttctttgcct ttccactttc caggaaatct 1320
ctcggactgg gctaccctcc ttgtgtgtga tgaaagatga gctatatttc agaacaaagt 1380
gctgtgttgt catratattgc ctggactccc agggcgtctc ttacccaact tgataacgat 1440
gctgttcatt agcagccttt gttaactgat aaccaagagc ggtaaatgtga tactcataag 1500
caattttctg tgtgtaggat aaaataaacc atcttgtatg ggatctgcta aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaagg gcggccgctc tgagaggatn ccaggcttta cgtnacgccg 1620
tgncngcg 1628

<210> 1360
<211> 1297
<212> DNA

847

<213> Homo sapiens

<220>

<221> misc feature

<222> (1280)

<223> n equals a,t,g, or c

<400> 1360

```

gcccacgcgt ccgcactccg ctcgggtcac catgtgtcac tctcgcagct gccacccgac 60
catgaccatc ctgcaggccc cgaccccggc cccctccacc atcccgggac cccggcgggg 120
ctccggtcct gagatcttca ctttcgaccc tctcccggag cccgcagcgg cccctgccgg 180
gcgccccagc gcctctcgcg ggcaccgaaa gcgcagccgc agggttctct accctcgagt 240
ggtcgcggcg cagctgccag tcgaggaacc gaaccagcc aaaaggcttc tctttctgct 300
gctcaccatc gtcttctgcc agatcctgat ggctgaagag ggtgtgccgg cgcccctgcc 360
tccagaggac gccctaacg ccgcattcct ggcgcccacc cctgtgtccc cgtcctcga 420
gccctttaat ctgacttcgg agccctcgga ctacgctctg gacctcagca ctttcctcca 480
gcaacacccg gccgccttct aactgtgact ccccgactc ccaaaaaaga atccgaaaaa 540
ccacaaagaa acaccaggcg tacctggtgc gcgagagcgt atccccaact gggacttccg 600
aggcaacttg aactcagaac actacagcgg agacgccacc cgggtgcttg ggcgggaccg 660
aggcgcacag agaccgaggc gcatagagac cgaggcacag cccagctggg gctaggcccc 720
gtgggaagga gagcgtcgtt aatttatttc ttattgctcc taattaatat ttatatgtat 780
ttatgtacgt cctcctaggt gatggagatg tgtacgtaat atttatttta acttatgcaa 840
gggtgtgaga tggtcccccct gctgtaaatg caggtctctt ggtatttatt gagctttgtg 900
ggactggtgg aagcaggaca cctggaactg cggcaaagta ggagaagaaa tggggaggac 960
tcgggtgggg gaggacgtcc cggctgggat gaagtctggt ggtgggtcgt aagtttagga 1020
ggtgactgca tcctccagca tctcaactcc gtctgtctac tgtgtgagac ttcggcggac 1080
cattaggaat gagatccgtg agatccttcc atcttcttga agtcgccttt aggggtggctg 1140
cgaggtagag ggttgggggt tgggtggctg tcacggagcg actgtcgaga tcgcctagta 1200
tgttctgtga acacaaataa aattgattta ctgtctgcaa aaaaaaaaaa aaaaaaaaaa 1260
aaacycgggg ggggcccggg acccaaatcc ccccaa 1297

```

<210> 1361

<211> 2704

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1438)

<223> n equals a,t,g, or c

<400> 1361

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gggccatcct ggcgggtcaaa tccacgcggc agaagcagca gcacctggtc cagcagcagc 60
ccccctcgca gccgcagccg cagccgcagc tccagcccca accccagcct cagcctcagc 120
cgcaacccca gccccaatca caaccccagc ctcagcccca acccaagcct cagccccagc 180
agctccaccc gtatccgcat ccacatccac atccacactc tcatcctcac tcgcacccac 240
accctcaccg gcacccgcat ccgcaccaa taccgcaccc acaccacag ccgcactcgc 300
agccgcacgg gcaccggctt ctccgcagca cctccaactc tgcctgaaag gggcagctcc 360
cgggcaagac aagggttttga ggacttgagg aagtgggacg agcacatttc tattgtcttc 420
acttgatca aaagcaaaac agtctctccg cccgcacca gatcaagtag tttggacatc 480
accctactga aaacttgcca ttcttcttag ttttctgcat acttttcac acgatgcagg 540

```


848

```

aaacgatttc gagtcaagaa gactttttatt tatgaacctt tgaaaggatc gtcttgtatg 600
gtgaattttc taggagcgat gatgtactgt aatttttatt taatgtatgt tgatttatga 660
ttattttatta gtttttttta aatgcttggt ctaagacatt tctgaatgta gaccattttc 720
caaaaaggaa actttatttt caaaaaccta atccgtagta attcctaata ttggagaata 780
aaaaagggcg gtggagggga aaacattaag aattttattca ttattttctcg agtactttca 840
gaaagtctga cacttttcatt gttgtgccag ctgggtgaaa ttaaaactct gatattactt 900
tttttgagga tttttatttt tgtttttgct taacatata gtttgtctag aagtttaaaa 960
agctaaaagt taaaaatggt gtaattatga aaatctaaca ctcaagatag tttctaaaag 1020
gaaatcagta gttaaggata cctgatttca aaatatttaa agcataacct aactgatggt 1080
aggatgattg tatcttgaat atgtggtagg gccacatcta ttgtaggaaa accttgcttt 1140
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tataagagaa tatttgtact cctgtccagg ctgcaggacc tttcttcgag agctttgcac 1320
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ctcgttgttt aaagtacaat ttgtaaatat ttcaaaggct taggagtcac aacttttngt 1440
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gagaaatttg aggattctgt tttgctgtta ggtaagctaa actcagaaat tgaaaaggaa 1560
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taaatggagc catagatgat acaaagtcct cttggggctg aaaatcactt cctatttgca 1800
tggttttact aactggtttc tgttttccat tatcttttcc acagaaagtc ttgggtcagta 1860
tttttccagc atttaaatg aaacggtcag tattagacca ctgctagggt atgtagtcaa 1920
gaaataaaaa tagaattaca tgctacagat gtcttttatt tccttccatc tagaaaggag 1980
ttccaaggct aaattacttt ttagtgcaat agttaaatga cattttgaga tcataactca 2040
tatccaaaaa gttgcaggga aaattaaaat agctttcccc tattaagcta atggcaaaca 2100
aaacttaagt ggacccccac ttccagtgggt tgttttaggt gcagtgtgtg aaatatgctg 2160
ccaacattta aaaacttggt tcatatgtat atatgtatac acatatatga atatgtatgt 2220
atatatacat atatgagaac atgtgtgtac acatatatga atatgtatat atgtgtatgt 2280
atgtatatat gtatatgaaa tgagagccac atctaaagat ttcttaaatac aagtttggtt 2340
cagcttcctt agaactgtgg ctgtactttt tgaggagtac ctcatagtac tataattttta 2400
atgcatgcaa atcataatag ctccaaatga accacagttt tttcccaatg gaggattttt 2460
ttttaattct tgtactaaaa aaaaaaaatc cataccaaat atttttaca attaaagattg 2520
atgtaggttt taaaaaggc atttgtatgt tgttagctta catatggggc taggtaattt 2580
cattgcttaa aaagatgcgc ctaggctccc tcttggtggc tggatttctt tttcttcscy 2640
cgtgggtggc atggttctta atagggccac cggaatcakg gtttctttct tttttttttt 2700
tttt 2704

```

<210> 1362

<211> 910

<212> DNA

<213> Homo sapiens

<400> 1362

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gagtgcacct gagcctgtgt cctaggtttc cctgatggac caagccttct ccttttgaga 60
ctcctcatcc agtttcttta gttcttcata tatcactgtt tttcagatct ctggctatcc 120
ttgccattga cctcagaaat cctgtatttg accttaacct tcttataccc agtccatacc 180
caaagtgatg gaaatggaat agatttcttt ttaaagtttt aaacgaatat tttgactgaa 240
aaattttggc agtcttgtat gcaaatgaca ctgcagagca ttgttttctc cccccacgg 300
taggarattt tattcaacta aggcacaggc atattaaaaa actttcagta taaggaaaag 360
gggtaagttt awtccctcca aatttgacta cagctcgaaa ttgtctttat taatgcaaag 420

```

849

```

ttcttttgtc accttgactt tgggacactg ttaccaaacc tcgtgggaaa tatcaagttc 480
cagaagattg aatacatgca ggaaacaaat gttttttggg ccctagagtg aacatttggt 540
ccatatgaaa atgaccagga agacaattag gtgaaggttt tttaatgatt tgtgctacgt 600
cagtctcttc ccataagaca tattcaaagt ttttaactttt ccttaagagg cttccatggg 660
gagcaagcat ttgataattc atcctttaag aaaaacacca ccgtacactg cttgaagagt 720
tcctcttcta ttacttaaaa cgttttttatt gtgcaacatt taaggcatac aaaaacatat 780
aaagaatacc atgatgaaaa tctatgactg tattaccaag ctttaagaaat aaaacagttg 840
agtgatctct catttatgac taaattaact tattaaaacc attaaaactt ttggattatt 900
cctgttaaaa                                     910

```

<210> 1363

<211> 1823

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1729)

<223> n equals a,t,g, or c

<400> 1363

```

ctgcaatgga aacgatgtcg gccaaacana aacaactggg aaaatggggc cctaactgtg 60
cancaactgt gcgtcacctc ccgcctccca gctccccgca ggamtcccg cttacacttg 120
tcttcccccc acgaactcctc tgctctctcc caaactcctt cccaccacct gcagctcttt 180
gaccaggaca gctccaatgt gttgtcaagt gagtgctccc agcaggaggg ntggcggggtg 240
tgggagggga gggacgasaa ggggcggggc gtgacctccc tttggcctcg tccccagcgc 300
ttcctccagg atccctactc caccaccttc agcagcttct cccgagtgc caacttcttc 360
cggggtgccc tgcagccaca gcctgaggga gccgcctccg accttcccc gccacccgac 420
gatgagcccg agcctggatt cgaggtcatt tcctgtgtgg agctggggcc tcggcaaccg 480
tggagcgggc cctccagtta cagaggagga gtgggcaacg cacgtggggc ctgaaggctg 540
cctgcagcag gtccctgagc tgaagaaccg gatcttctcg ggggggtctga gccccagcct 600

```

850

```

gcggcgcgna ggccctggaag ttccctcctag ggtacctcag ctgggaaggc acagctgagg 660
agcacaaggc ccacatacgc aagaaaacgg atgagtattt ccgcatgaag ctgcagtgga 720
aatctgtgag ccctgagcag gagcggagaa actcacttct gcatggatac cgcagcctca 780
tcgaaaggga tgtgagccgc actgacagga ccaacaagtt ctacgagggg cccgagaacc 840
cggggctggg cctgctgaac gatatacctc tcacctactg catgtatcac ttcgacctcg 900
gctacgtcca gggcatgagt gatcttctct ccccgatcct ctacgtcatt cagaacgagg 960
tggatgcttt ctgggtgttc tgtggcttca tggagctcgt gcaagggaac tttgaagaga 1020
gccaggagac catgaagcgg caactcgggc gactgctgct gctcctgagg gtgctggacc 1080
ccctgctctg cgacttctct gattcccagg actccggctc tctctgttc tgtttccggg 1140
ggctgctcat ctggttcaag aggggaattcc ccttcccggg tgctcttcgg ctgtgggagg 1200
tgctgtggac agggctccct ggcccccaatc tgcacctgct ggtggcctgc gccatcctgg 1260
acatggagag ggacaccctc atgctgtccg gcttcggctc caatgagatc ctcaagcaca 1320
tcaacgagct gactatgaag ctgagcgtgg aggacgtgct gacccgcgcc gaggccctgc 1380
accgccagct aaccgcctgc cccgagctgc cccacaacgt gcaggagatc ctggggctgg 1440
ccccgcccgc agagccccac agccccctgc ccaccgctc cccgctgctt ctgtcgcaca 1500
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cgttctgcac aggcacttta gcccagacca ggcacacctg cgaggggggca ggtgtgctcc 1680
gccgccctgc tgataagctg gcttcattaa actgacactt ctcawgtgna aaaaaaaaaa 1740
aaaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcag ggacgtcata 1800
gatcttgtat ggggtattgg aaa 1823

```

<210> 1364

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 1364

```

aattccccgg caacaatttg aaaaactact cgaagttctg cgtttcagcc ctgaacctga 60
aacataaaat gaatgcaatt gttgttgtaa acttgtttat tgcagcttat aatgggttaca 120
aataaagcaa tagcatcaca aatttcacaa ataaagcatt tttttcactg cattctagtt 180

```

851

```

gtggtttgtc caaactcatc aatgtatctt atcatgtctg gatcgatcct gcattaatga 240
atcgggccaac ccccggggag aggcgggtttg cgtattggct ggcgtaatag cgaagaggcc 300
cgcaccgatac gcccttccca acagttgcgc anctggaatg gcgaatggga cgcgccctgt 360
agcggcgcat taaagcgcg cgggtgtggt nggttacgcg cgggaaccgg taacantggc 420
cagggccnaa ggccccg 437

```

<210> 1365

<211> 523

<212> DNA

<213> Homo sapiens

<400> 1365

```

gggattacag gcgtgagcca ccacgcttgg cctgcccttc taatttttag aagtttgtgt 60
ttctacctct gaagtgttca tgggagagtg aaggtagaga gtggtccaga gcagggtgggc 120
cccagcacac cctgtgtgtc aactgattcy gagaatcatc aaatagacaa gaatttaagt 180
cttcgcgtttc tgtggtcattg attaagggtgc attyttttaa gacttaaaaa cttactggct 240
ttaggaagga gagttcttat aacctcccag cacaaagtga catactttca ttctctgcta 300
cttctgtgta gtgttgcttc actgttaatg tttgtggctc ttcaagagcc agtcttttagt 360
taatcatatt accataaggc cgtggttctc aatcgagggt gatttcccca gggggacatt 420
tgggcatgtc ctggaggcat tttggttgtc acattggcas cccgggtgtaa wactacctcy 480
gaccaaaaaa aaaaaaaaaa aaaaaaaaaa gggggcgcttc ttg 523

```

<210> 1366

<211> 2155

<212> DNA

<213> Homo sapiens

<400> 1366

```

tgatttggtc ttccactcag agttgagtgg tttatcacag agtgtgttat ggcttagacc 60
aatacaggtc cttctttaat agtggtagct cttttttatc ctgaggatta agccattaca 120
aactcaaatg accagagaat gtaatttctt aataagaatt ttctcttaa tctatattca 180
gctctctatt tcagtgtctc tctcctacca gaggtgcaag gagtgatcct agaaccacag 240
atacagccaa gaccacggag agcttttgac gtcaggggtc cactttctcc actgaaccct 300
tggagacaga atatccagct tctggagaga gtgggaaagg ataataaaca aattttctttc 360
aactggtaaa acatcatact tcttcagcaa aaggaattct tctagcagag ctttcatgga 420
tgatatctgt cacacatgcc wkcacctgca gtttggaagg cagtggtgaa tggatccatg 480
caatatgtct agaagacaca aggatgagcc agccacctga tcttgtcatt tataaacttt 540
taagaattac tctggtttac ttttgggtctg aaaatggaaa ggcccaaata atgaaataat 600
cttttcagat tggaaattta catggccatg aaaatatttc tttctattca gaagactgaa 660
atagaggaag cttgagagac tcctttcttt taaaagcggc tctctgtatc tgtttcattt 720
aaaacatttg tgggrttgaa aatcacctta atgaagtagg caaacatttt tttaagtagt 780
agaggaagtc cagaaaactt aatgaaatgg ttttttttgt tgcctgacac tgaaagtaac 840
tagtaaaataa aggggtgaact tcttaattat tcgaaaactg cttttaatat taggatatac 900
tcttttagct catcttcgct ggtcttgagg cttattataa ttgtcaaatc aacaaagktt 960
ctaatagaga agtagaagaa atatcttttg agatgtaagk agcttggkct gkcttctaaa 1020
gkaatacata cctgktaaac ytgaggwatt tttttcatac tgaaggcatt ctaaagtttg 1080
gtactgtcac aaaacagtag ttacagagc agaagcactt agtattagaa taagcctgta 1140
ggtgtgaagg aataagtgtt gcaaaaatag tattttatcca agctgtcaat taattgattg 1200
aagtagttat caaaatgttt ctgtttcttt ctttgggtatc tattaactgg tcagtcaaaa 1260
gctattaaag aatgttttta aagtcacctt atgctgccag tttgttaaata ttggtataca 1320
ttttaagaat agacattcta gagttattaa tatggaagca gctaaaatgt tttaggaaat 1380

```

852

```

ctcaaaagtt ttagaagcca catttgctaa agcataacct gcacttagtc tttcttggct 1440
atctgtattt ttttctcatt aattataaat aaatttttgt taagtatagt attttaaagt 1500
aagtttaaag gttcaawttg aactgaaatt tccccagaga gctttgaatt cccataagtg 1560
attacagctt ttactcccga cttgttttta gtaaattgta ataagacaat tggtttacia 1620
acacatatata attaaaaaaa acaactgtcc atcgtttttag gaagaactga aggaactaaa 1680
aatgatattt gcttggaat taagttagtt gaactctttg aaccacagta gaaaccgttt 1740
gtgtggcctg tgagawtata agcttttttgk ttcarctttg aagatgaaaa gtgatttaat 1800
ctcttaatct catgctttga ttgaatttta gctctgkctc ttaaaatatg caaaaggaaa 1860
tgtaagtgca tttctagtca cctcatgcca ctacaagcta tttattttaa agtgaaactt 1920
tttgatatatt attgtgaact gatttgttta tttaaacttt tattttgggtg aatttacctt 1980
tgagtttttt tatattttat gtcacaaaat gaagtcctat atttttcagt gtttatgaat 2040
attaatataa actatttttt tctagaatga ctaatttgtt aatatctgta ttatgtgata 2100
atttgaaatc taataaatat tttctccatg aaaaaaaaaa aaaaaaaaaa aaaaa 2155

```

<210> 1367

<211> 1724

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1701)

<223> n equals a,t,g, or c

<400> 1367

```

gcagcctgcc agccgcgctg ctgctgctcc tectgctgtg ggaccgctga ccgcgcggct 60
gctccgctct ccccgctcca agegcgcgatc tgggcacccg ccaccagcat ggacgctcgc 120
cgcgtgccgc agaaagatct cagagtaaag aagaacttaa agaaattcag atatgtgaag 180
ttgatttcca tggaaacctc gtcacccctc gatgacagtt gtgacagctt tgcttctgat 240
aatTTtgcaa acacgaggct gcagtcagtt cgggaaggct gtaggacccg cagccagtgc 300
aggcactctg gacctctcag ggtggcgatg aagtttccag cgcggagtac caggggagca 360
accaacaaaa aagcagagtc ccgccagccc tcagagaatt ctgtgactga ttccaactcc 420
gattcagaag atgaaagtgg aatgaatttt ttggagaaaa gggcttttaa tataaagcaa 480
aacaagcaa tgcttgcaaa actcatgtct gaattagaaa gcttccctgg ctcggtccgt 540
ggaagacatc cctcccagg ctcgcactca caatcaagga gaccgcgaag gcgtacattc 600
ccgggtgttg cttccaggag aaacctgaa cggagagctc gtccctttac caggtcaagg 660
tcccggatcc tcgggtccct tgacgctcta cccatggagg aggaggagga agaggataag 720
tacatgttgg tgagaaagag gaagaccgtg gatggttaca tgaatgaaga tgacctgccc 780
agaagccgtc gctccagatc atccgtgacc cttccgcata taattcgcgc agtggaagaa 840
attacagagg aggagttgga gaacgtctgc agcaattctc gagagaagat atataaccgt 900
tactgggct ctacttgtca tcaatgccgt cagaagacta ttgataccaa aacaaactgc 960

```

853

```

agaaaccag actgctgggg cgttcgaggg cagttctgtg gcccctgcct tcgaaaccgt 1020
tatggtgaag aggtcagggg tgctctgctg gatccgaact ggcattgccc gccttgctga 1080
ggaatctgca actgcagttt ctgccggcag cgagatggac ggtgtgacgac tggggtcctt 1140
gtgtatttag ccaaatatca tggctttggg aatgtgcatg cctacttgaa aagcctgaaa 1200
caggaatttg aaatgcaagc ataatatctg gaaaatttgc tgcctgcctt ctacttctca 1260
aatctttctt gtaaaagttt ccaatttttt cactgaaacc tgagttaaaa atcttgatga 1320
tcagcctggt tcataagaaa ctccaatcaa gttaatctta gcagacatgt gtttctggag 1380
catcacagaa ggtatattgc tagttacact ttgccctcct gcagtttctt ctctgctccc 1440
aacccccatc tcatagcatc cccctctatt tccaatgctc ctctccaacc gcttagtttc 1500
tgaatttctt ttaaattaca gttttatgaa agcatatttt atttacttgg tgttgaaata 1560
gccctyataa aacctaagca cttggaaacn caataatagt attaactaac tagatctatt 1620
gaatttcaga gaagagccta aatagcaaan ttacacaaa aacgagtatg atttagcact 1680
catactagtt gagggtttgg ngccgatagc gactgctaata gaac 1724

```

<210> 1368

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1368

```

cccctacttt aaggagttct agatatgtga gatactacct taccctttca gacagttcca 60
tgtgagtatg ttaaccatac ttcttagtca aaaataaaga gaagcctccg ggtctttgtg 120
ggaacaaagt tacaaattaa ttgaaatcca tactcttctt aagcagcttg gacctactac 180
tgtcccacat gtaagtatgc aaaactacat tttgccaaaga attaactcat gagaaccatt 240
gaacttgatg tgaaagtcac cttaacagtg gtattgtgct ctgtaaaact ggaatctttt 300
cccacaagat gcatgtaaat aagagatctc aaaaatagaa agactctctt tctcaaagaa 360
tacaaacagg tgt 373

```

<210> 1369

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

854

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (725)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (775)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (797)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (798)

<223> n equals a,t,g, or c

<400> 1369

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naagatgtnn ttaaccctca ctaaaggga caaaagctgg agctccaccg cggtgncggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcaccacttt gtatgtatag 120
tagccttttg cctcatcac aacttagtgt gaggtatgtg ttctgtcct aattctacag 180
agaaggaaat tggaattcag tgagtccatg ttcttacagc tagtgactgg tcgatccasa 240
attagagcac mggtccgtct gactccaaaa cctatatgtg cttttcacta taccacaata 300
acaacgaata tttgttctgt acaattcaca actctttggg ctaccttatt attattatta 360
ttattactac cactacttac atcttcacta gtcagtargt acagccwaga ttatcacgac 420
ccccatttca ctggtaggga aactgagact cggaagcttg cccaagatca cacagctggt 480
aagtggagga gaaccaggac ttcagacaga ctctctgact ccagatcttt tttttctttc 540
catgacatca cattgctgcc ttaattcatt tgcacaatgc atgattgtat ggccagtgtt 600
cactgacacc tttctacag aagtatcaat gagcccaggc attacgtaga gccatgtgga 660
gaagaaaata attcatacct ttcagaggag ctccatttt agtggggggt gatacaaagc 720
accngaaag taaatgcctt gagaatagtt cacaagttaa gaatttaaaa tatanggccg 780
ttgtttccat aatgaanncc cataaatttg ggccataaaa c 821

```

<210> 1370

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

855

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<400> 1370

```

caataatgta aaatatgaag tgtatgtgta cacacatttt atttttcggg atcttgggta 60
tacgtatggg tgaaaactat actggagtct aaaagtattc taatttataa gaagacattt 120
tggtgatggt tgaaaaatag aaatgtgcta gttttgtttt tatatcatgt cctttgtacg 180
ttgtaatatg agctggcttg gttcagtaaa tgccatcacc atttccattg agaatttaaa 240
actcaccagt gtttaatatg caggcttcca aaggcttatg aaaaaaatca agacccttaa 300
atctagttaa tttgctgcta acatgaaact ctttggttct tttatttttg ccagataatt 360
agacacacat ctaaagctta gtcttaaatg gcttaagtgn aactattccc taantgctgg 420
ntg                                         423

```

<210> 1371

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (639)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (651)

<223> n equals a,t,g, or c

<400> 1371

```

cgggtcgacc cagcgtccg agcaacagcc gtagcaaaaag cagctgctgc tcctgctatg 60
aggggtgtata tatttttttac ccaaagctct ggaattgtac atttattttt taaaactcaa 120
agaggggaaag agccttgtat catatgtgaa cattgtatca taggtaatgt tgtacagacc 180
cttttataca gtgatctgtc ttgttcctgc agcaaaaatc ctctatggac ataggaggtg 240
ctgtgtccca tgccctcttg ccctgacagt gtcccatggg ccccttctg ctccctgccc 300
ctccctgct actgctgatg cactctcctc tcctgcagc ccctggcttc ccagccttcc 360
tcctgacccc ttccaacagc cttggaaact cagctgccac caccctctgg gtcgggacct 420
gggacccact ggcccagtct tggctgctgc ttacccttag ccttgatgcc tgcccaggga 480

```


856

```
ccccagccc cctcccgttg ccctgcagct ttaacagagt gaaccatgtg tattgtacag 540
gcgcggttgt cattgcagaa accgctgggt ggagaagaag ccgataaagt ctatgaatca 600
aaaaaaaaaa aaaaaaactc gaggggggggc ccggnaccna attcgcccna nag 653
```

<210> 1372

<211> 907

<212> DNA

<213> Homo sapiens

<400> 1372

```
atTTTTtact gctaccacaa tactgctgct gttgctgctg ctacattaat ttatgttgct 60
atgtcattcc agtgaaaaat ctcaactttc aattatagtg cagatacact atgtaaaatc 120
acatgttttag gttccaagta atatatggcc taaagaaatc ccaaaaatgg taataatccc 180
agtcatggat gccatacact tctaacctgc agcatcccca ctcaagaact gcctgcctat 240
ggtgccctccc actggagcac ttcttaccga cagcacctga gctgccactg ccagggcacc 300
tacctatggc cccctgccat cctctacaga gctattgttt tatacatctt acacattaga 360
aaacttagac tcaaagttaa tctcatttgc ctgtgtcaga gccaggattg aaacaccagt 420
ctgtatgact ctataaatca cacccttaac tcagtgaagt ccgaaggctt ttgagtgtga 480
atgtgccac atatcctgtt ttctaaaaca ggcttattct gactttcaca gatcacagtg 540
ttctcccagt gtgtgaaagc aagacctgaa ataaactttt atgctgtatg tgctaacatg 600
cttagggctc tattttcata aaacattaac aattttaaag atgatatcta ataaacagrc 660
cttggtataat tatcttttta agattgccaa atgttttcta atatcttact cattgtacta 720
aaccctaggc ttctgttcat ttttaatttta ccataaagggt aaaaacatat atataagtca 780
ataggtaact catttctttc attaaataat caattaaata cgtcatctat gatgtacaag 840
gcattgtata gaacactata ttgccaatca aagtgttagt aaaaataaaa gtttaaaatg 900
tgaaggc 907
```

<210> 1373

<211> 3036

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (547)

<223> n equals a,t,g, or c

<400> 1373

```
tatctccttt cgtttaaggs ccataccnat atttcctacc tggagaatgc ctggactgtt 60
ctcctnttgtt agttcttcaa ggagtgcacac acgcggccat ctgggcagca tgcatttctt 120
acctcagtgc agccgttccc cctgagctga ggacatctgc tcagggcatc ctgcagggcc 180
```

857

```

ttcacctggg tttgggaaga ggatgtggtg ccatgatcgg aggcgtgtta gtcaattatt 240
ttggggctgc tgcaaccttc cgaggaattg gcatggcctg cttggtgatc ctactgctct 300
ttgccctgat ccagtggctg gcagtgccag atgaggaaga agacaagaca atgttggcag 360
aaagaattcc tgttccctcc agtcccgttc ctatagcaac catcgacttg gtacagcaac 420
agacagaaga tgtcatgcc a cgcattgagc ccagacttcc acccaagaaa actaagcacc 480
aggaagaaca ggaagatgtg aacaaaccag cctggggagt cagctcttct ccctgggtga 540
cctttgncta tgcactctac caaattaaag agatgatgca actcacaaga gacaaccgtg 600
cttctgagat acagccttta caggggacca atgagaatag ggaaaattct cctgctggta 660
gagcccagcc tgtcccatgt gagactcact ctgaccatc tagaaaccag ccatccctg 720
acgcagcagc atctcagacg cagaccagcc ccgctcacc cagtgtggac ccgtgcacag 780
aggagagtga agagcagcag gctcagctgg ccgcgaggag aacttgaggg catcctgtct 840
atctcamacc ctgcatggaa tcaggctcct cagccaggac acagggtgag gccccccagc 900
caggatatgc ctcccctgga ggagcacagc actgcatatg cttctaaata tctaaactca 960
ttaacatgga aacacacaca caggagctac agtacatatt ggcaggaaaa ggtaaacttt 1020
cgtaatctca ttggaattac aacagggaaa tggagtcca tgaggacttt cagttctttg 1080
cttggttagg ttaaggatga tagaatttct ctgccagtgc aktaagagtt gaaaccggca 1140
gttacactaa ktaagtggag ggaatgaaag tgtttcgagg tgaatgtgga tataatttcc 1200
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```

<210> 1374

<211> 2652

858

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (685)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (708)

<223> n equals a,t,g, or c

<400> 1374

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caactatatt tgctcataga atacttagtt tattaaccag ttgctctctt gataactaca 180
gatgttggtt aattgtatca gataaacttg atagtcaagc agaagttttt atataaagat 240
atgagcacac atttaaataga acgttatatt aatataaagt gagtatgtaa tcatataatt 300
tgtaaacaatg ttctaataatc ttaatcatta aagtgttcat gatttttaatt tagactatag 360
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gaaatacagt catttatggc taataaccag tctttctaca gcaatagaga acaataaccga 2100
cagcatctga aggagaaatt taataaatac tgccggttaa atgatcaca gagggccatt 2160
tgtagtggct gggtgacaac ggctggagca aattaaata ataaaatagc tctgtctttc 2220
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859

```

aatgaaacac tcacgatgac tactgcgcct tctcttttga aaaactctta atttagtgac 2280
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tgaatatatg gttttacaaa gtagacatcc acttgcaaaa tgtttggatg taatgtttaa 2580
gcgcaatgtg caaaatttaa aataaagaat atttattaat acgcacagta aaaaaaaaaa 2640
aaaaaaaaaa aa                                     2652

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<210> 1375

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<400> 1375

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gcaactctgt gggatggaca tgcagccggt tggcatgggt atgaagttca tggaatggaa 60
aaaataccag aagatggacc agcacttata attttttata atggagctat tcctatagat 120
ttttactatt tcatggctaa aatatttata cacaaaaggca gaacttgccg agtagtagct 180
gatcactttg tcttttaaaat ccagggttta gtttattact ggatgtgttt tgtgctctac 240
atggaccaag agaaaaatgt gttgaaattc tgaggagtgg ccacttgta gntatctcac 300
caggtggant tcnagaagcc ctaatta                                     327

```

<210> 1376

<211> 1253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

860

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (673)
<223> n equals a,t,g, or c

<400> 1376
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tactagagta ttgaggaggg tcttgctgac accccttggg ctggagagggc ctctcttgaa 120
agggagccct gggaaagggc tgcctctact ctctactcct ttctnctccc tcagatccac 180
ctgttcctca ggtgcctgct cttccccgtn aggggaagccc aggagaccag gcagctgcgc 240
tcttgacagc caggtaccag gtgagctgag gaaccctctg cttttcctca gggactattg 300
ctactgatgg agtgtggcct ctctctcatc ccatctgtag accttgccctg gaattttttt 360
caatagcaga ctccagtttg ggaattgatc ctcttcggag acctggactt cacataaacc 420
aacttcccat ctccccagtg ccatgagcaa actctgtttt ctctttgtcc atgggttgtgt 480
gatgggtgct tattagatgt ttaagggtta tgggctttat tccgtagggt ctaatctgtt 540
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tgtgacattc gangatgtgg cttgtgcacc ttactcgaga ggaatgggga tacctggacc 720
ctgttcagag ggacctctac agagaagtga tgtagagaa ttatgggaac gtggtctcac 780
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tggttggtgg tcatcatcta cttgtattgt gaaaaaccag aaattccaaa ttcagctctt 1200
caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1253

<210> 1377
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature

861

<222> (645)

<223> n equals a,t,g, or c

<400> 1377

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cccacgcgtc cgagaaaggg agaagagtct tgtgggggct gggtaaggga ctctaaaaac 60
aagagtgggc agggacttca cctcttcccg taatggaagc tctgttaaata ttttaattta 120
ggagagtttt tgtgaaaatg actattttgt ttagctcaca tgataacatt tctataataa 180
atcatactca gcgtgcttat gcgcgaagag actgaactga agacgctgca gactcagata 240
gcaaaataat aagcctactt catgataagg taactattag tcattcnaac tcctatttcc 300
cttaaatata tcttaaatca gttaagggtt ttaatgtttt ttttaaatta atagtaatgt 360
tatgtttgaa aaactgggtt gaaataaaact ttaaaacctt tagaagtta accacttaag 420
acttttccag tctgcctcgt tatagcaaaa ccaaggaaaa tttcttttct aagctcctat 480
agagaactgg caatgaaact aaaatttaat tgtgtctcca ggtctcttat ttttctgcaa 540
ataataaatt atgtactatg atcattttca gataaatcat catgcatgtt ccaaaatgat 600
tggccaaggt ttatttttaa gaaacattaa tcgtgagtgg maganacatg ctatgggcct 660
tttgggagac a 671

```

<210> 1378

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<400> 1378

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catgagggtcc ttcctgggct cccagataaa tgtcatgata aatttggagt tgtagctaaa 180
gggcagccta atagatttct aatatataat aaatagtagc actagggtcaa aatactgctt 240
aggaatcact ttataactcca ggtgggttcc tccattgtcc cctcgccgcc tctgcatttt 300
gatctgaaaag ctcgatttca agattacaaa tgagagaaac ctgattctct tctgtgacag 360
gagccaggta ctgcaatggg ttgcaatcca aaacctnata attgtcaagc ctcagttcaa 420
gagactttta ctgggatata ggctggatga ctgaaaccta acaggctgga aaggtaatag 480
ttttggggaa tgcncatgac a 501

```

<210> 1379

<211> 962

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (795)

862

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (892)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (922)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (928)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (939)

<223> n equals a,t,g, or c

<400> 1379

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ctgtaagtat atgtactgaa cattaaggggt ttatagccct ggggtttggt cctaaatggg 120
ctacaaggag ttttacacaa aacttttgct taatgctttt ttttgtgtgg agaggacca 180
taatecttat aatactctca aagatggctc aggatecccc aaaatgctaa aaatcacggc 240
ctaaaaaatt cctgctacta catggaattt gcttcatgta gagctcgccc ttacctaagg 300
atacctctgc ctgctgtgta tcttagtgat ggcaagatca aggttatcaa caacaggcag 360
acaccccgca gtagttttctc tcttagagtt gaatgtctgg cttagtataa ttctgtccat 420
tgaaagcctt tctttaaaak gtttgctaca aatgaatgca cagcatgaga tatttaaaat 480
agtatcatat actttaggat caaacaagca aaaaatactc tgatatagta tgtgctacat 540
aagcgttttt gttacgtgct aggcctctca aaatggattt gtagaaaatg acacagaatc 600
acagttcatg ccctagttta cgggtgctctt tttgacccgt gttttggaag agtgatagtt 660
atcctactgt aaatagcttt cctattacaa atagtagtta acatgtcgtg tataaaattt 720
ctgggttttcc acaaatatct atgaccacaa atcgagaaac gtaatgagtt gtgaccaata 780
gttaatatat tttcnaaatt taaatgtact accggccaca aataactgcg ttttgggatt 840
attaactat ccacagtaat ttaaagtgga atcatcctct tcatttatag cnaaattctc 900
tagggccaaa ggaacatggg antcaggnct ggaattacng gtccgattta cattattttc 960
cg 962

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<210> 1380

<211> 2935

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

863

<220>
 <221> misc feature
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (14)
 <223> n equals a,t,g, or c

<400> 1380
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 aatgcaggac tgggtgactta aggagctgcg aagtctgatt taccggccta ctctcgacct 180
 gccccccacc cccagctcag gggacctttt gtctgaacgc cagagctact gaccaggctcg 240
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 attttgtgac attgcagatg ccaaatactg taaccttctc rtgataacaa tacttagggt 2340
 caagatcact gttcaaacc cgtcatgctt taaaactgat gcgagatgat tttgtttttt 2400

864

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gcataatcaa tacttaagggt tgcaatcaac tgttagtaat tgtgcagtaa agtaaagccc 2460
tgtggtgtat caactactag ttaagagtct cagttgattt ctgtaatgtt tgacctata 2520
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gctgtgaaca gaaataaatt atttatacaa tcaaaaaaaaa aaaaaaaaaa ctgca 2935

```

<210> 1381

<211> 626

<212> DNA

<213> Homo sapiens

<400> 1381

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gtggacgcct gtaatcccag gtactcggga ggctgaggca ggagaatcgc ttgaacctgg 60
gaggcagagg ttgcagttag ctgagatcat gccattgcac tccagccctg ggcgacagag 120
ggagactttg tctcaataag taaatacata aataaataga ttaattaaaa taaaaggat 180
ctccagggct gcattgcttc tggaagctct agggcaagct tttccagcct gcggcatacg 240
gccaggactg ctttgaatgt ggcccgacac aaatttgtaa actcttaaaa cattatatat 300
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gtcgtcttct tccagtgtgg ctcaggggag caaaagatcg gaagccctg ctctagggga 420
gtgagttcat tttattgcca tttccagctt ccaaaggctc tctgcattcc ttagctcgtg 480
gccccatccg tctgtcttca aacctaccag tgtagcatct tccaagcagt cctcaccac 540
tacctgtcw ccccgccct ctcactcccc ttctgtggcc acgatgcctc agggaaagat 600
ggcattttag gcagcaggta agaacg 626

```

<210> 1382

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (580)

<223> n equals a,t,g, or c

<400> 1382

```

ctgttttaggt tatagtctat tgatactttt tatatacaat tttataaata taaatattat 60
aattttatat taatggtacc aaaaatacat ttcttaagggt taaaagcatg cacttccatg 120
catacttgct tttggggaga gtggggagaa gacattctaa taatcagttt gtgaaatagc 180
ttctgttggg aaccttttga ggggaataag gaatggatcat ctaaaatgag agattctgga 240
ttttaatgca gttcaaagt gagctgtatt tttgttgttg atttatctgg atttttttta 300
aagccttcta aaaccagtg aattcaatac cttaattagt acatactatc ttatgtaatg 360
cataaagcaa tgccagtcac tgagaacatt taaatatatt tatattcctg gagatacaca 420

```

865

```

ttctcatttt  tgttggttta  ttataaatta  ttcttctaga  tgcattcttt  ataactagga  480
tttcattttg  tgtgtatagc  ttatgtaata  aattttaaag  gtgaaaactc  tcttaaaaaa  540
aaaaaaaaaa  aaaggggggg  ccgccccaa  nggcccagn  tta  583

```

<210> 1383

<211> 517

<212> DNA

<213> Homo sapiens

<400> 1383

```

acatatggaa  ctcatcattc  attttaaagt  atggtggcca  ttggcgggtga  caaaaggaaa  60
agaagcaaag  agactcagtc  cataatgctg  attagttaga  agaaagggct  aggattgaga  120
aagtaccagg  aacttttaat  tatttaaaag  agaatgctga  ctgttaatgt  tttaaactct  180
actgttcaaa  tgtastaata  tgaattttta  ccctttgtgc  atgaatatts  taaacwacta  240
gaagacctcc  acaatttagc  agttatgaaa  gttaaactkt  ttattataaa  aattctaaac  300
cttactgctc  ctttaccagg  aacatgacac  actatttagc  atcagttgca  tacctcgcca  360
atagtataat  tcaactgtct  tgcccgaaca  atcatctcca  tctggaagac  gtagccttta  420
gaaacacatt  tttctattaa  ttctctctaga  acttcttttc  ggtataatct  gtaagaaatt  480
aaaaatatat  atcaacttct  ggataaataa  aaaaaaa  517

```

<210> 1384

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1216)

<223> n equals a,t,g, or c

<400> 1384

```

gcggccgcgg  ctcccgagct  cctcgggctc  tgggtcccg  cgccctccg  gccgcgagtc  60
ccacgcgcca  ccccgggcg  ccctcgacgg  tggatctagc  ggcggcgagg  aggcgggtcc  120
cgcccccggc  gaaccccagt  cccggcccc  ggccccgggc  ccagcttcgg  catggatgtg  180
aggttctacc  ccgcggcggc  cggggaccct  gccagcctgg  acttcgcgca  gtgcctgggg  240
tactacggct  acagcaagtt  tggaaataat  aataactata  tgaatatggc  tgaggcgaa  300
aatgcgttct  tcgctgccag  tgagcagaca  ttccacacac  caagccttgg  ggacgaggaa  360
ttcgaaattc  caccaatcac  gcctcctcca  gagtcagacc  ctgccctagg  catgccggat  420
gtactgctac  cctttcaagc  cctcagcgat  ccattgcctt  cccagggaag  tgaattcaca  480
ccccagtttc  cccctcaaag  cctggacctc  ccttccatta  caatctcaag  aaatctcgtg  540
gaacaagatg  gcgtgcttca  tagcagtggg  ttgcatatgg  atcagagcca  cacacaagtg  600

```

866

```

tcccagtagc ggcaggatcc ctccctgata atgcgggtcca tcgtccacat gaccgatgtg 660
cgcggttctgg ggtcatgcct cctgcccagc tcaccaccat caaccagtct cagctcagcg 720
cccagttggg gttgaatttg ggaggtgcca gtatgcctca cacatctcct tcacctccag 780
caagcaaata agccactccc tccccttcca gctccatcaa tgaagaggat gctgatgaag 840
ccaacagagc cattggagag aaaagagctg ctccagactc tggcaagaag cccaagactc 900
caaagamaaa gmaamagaaa gatcccaatg agccacagaa gccagtgtca gcatatgccc 960
tggtttttcag agacacacag gctgcaatta aagggtcaaaa cccaatgca acctttggag 1020
aggtctcama aattgtagca tctatgtggg acagccttgg agaagaacaa aagcaggtat 1080
ataaaaggaa aacagaagct gccaaaaaag aatacctgaa ggccctggcg gcatacaggg 1140
ccagnctcgt ttctaaggct gctgctgagt cagcagaagc ccagaccatc cgttctgttc 1200
agcagaccct gngtngacc aatctaact 1230

```

<210> 1385

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<400> 1385

```

aagcaacgaa atattatgat gttctaaatc ctacctaaat attcttactc ttaaagctat 60
ggtcataaaa cccactggct ttcttcaaaa ggtagattac attattagaa agttgtaaag 120
atatattatc accaaactaa aactttgctt ttgctttatt cagaggaatt taaagataat 180
agacaagaaa tttctattta gggctatgtc cctgtaccac actttaggga atgaaacact 240
gtcatatgtc ctgtcagata actgagttaa acatttctact ttgcagttaa caaacagct 300
agagcctagg tataatgctg tggtagtgtt cttagttttt gctttttccg ttctctcata 360
ataagtgatc ctgagtatgt ct 382

```

<210> 1386

<211> 1202

<212> DNA

<213> Homo sapiens

<400> 1386

```

gagaactagt ctcgagtttt tttttttttt ttttttttgc tttacattac ttggtatgta 60
aataccttga ttaaaacctt gtaaaccaat ttcaaggtta ctataagttg tatagtacaa 120
gtgtttttta aaaatcttgg ggtgttttta aaaattaaga tatattttgc ccaagaattt 180
ttttaacaag attgctaaaa acatcttatt tagacacttc aatgtaccaa tttataattg 240
gatattcagt ttaaatagta cacagagttg tggcttttat tttcaattaa tttttttcct 300
tgtgggcagt gtgcatggta taataagcct gagcagaggc ttaagttgta tgtgtgcaga 360
gtttgtaaag gaatcaattg gaagatgcag aagaccgagg tttgctttca aggtattttt 420
caggctgtgt gggtaaaatt tgccctcaaat ttctatcaaa caggaatgta aaatagataa 480
aatcctatgt atttgaattg tcagagctag ggagtgcata tgttttggca atgtattcaa 540
aatgctggcc tgggcaccaa agagaaaata gcctttttaca gttacatagt aagatgcgat 600
tagtaccac aaattactgt tttctaaaca tttgaagttt tacgattagc tttaaaataa 660
tgattttata aattggtggt cacaataatt ttggtattac tttcctcctt ttcccactta 720
gcaatatagc caaatgtatt caacataaaa attcataggg tctgaaattc atagctgggc 780
caaatttttt atggcacctt agttttacca taatggtcat ctattacact cttctgttat 840

```

867

```

aaaatataacc cttatttctt ttgtttatag tatctttgag gaatgttttt ggaaaagtta 900
atztatatatt tatagggaga acactcaata aattatgtta actgtgcccc cgagttaaaa 960
atztatatgag tatatgtgaa acttgaacaa ctgaagactt tttttaattg ataaaaatgc 1020
ttagtatgcc tgttttggtc tgccagtaaa ttaagtagct tattgagata actaacagct 1080
aaatatagct gtagtgtttc ctgactgtat attctatgat ttaataaaat tatccagact 1140
agttatatatt ccacagtaaa catgtgactg aagtgtcctt catcttaatc tgaaagaggg 1200
ca 1202

```

<210> 1387

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc. feature

<222> (555)

<223> n equals a,t,g, or c

<220>

<221> misc. feature

<222> (559)

<223> n equals a,t,g, or c

<220>

<221> misc. feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc. feature

<222> (571)

<223> n equals a,t,g, or c

<400> 1387

```

gatacctctg tggtatgagt atttcagggg aaaagaaagc aggcattggca cccattcgat 60
tttccctgac agcatctgag atccttttgg ggagacgctg aggagtgttt gctgccatgt 120
actcttacag ctctatgctg acactcccat ttgatgtggt ccagaactta gacctcagtc 180
cttggatcag ccctgtgggc cctgcaagca ggggcattct tctgcatgtg agccagcccc 240
cttctctgttc aagggttctg ctggatctgg gcttttctct tccttcactt ctgggatgat 300
tcaccccaaca tcttcagta cctgtaaac cattttaaaa tatttagaaa actatcctcc 360
caaaaatgct ttgaaaatg agagccctct gtccctgccca cttacagcta gtctctttgg 420
gataggggtg tatgtggaga gattcatgta agtctcacaat gactgacctg tgccctatg 480
tgtactaatg tgtgtactgg gtcagaaggt gccctgggtt cccacagacc ttgggttctc 540
gcctgggtgg gtggnaagna anggaactta nagaa 575

```

<210> 1388

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

868

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1652)
<223> n equals a,t,g, or c

<400> 1388
atataagcaa cacttcttcg gattgtcggc cctcagagga gagtgagctg ctcacagata 60
ctaccaccaa catcctttcc ggcaccactt ctactgtcga atcagatata ttgacccaaa 120
cagatagaga ggtggctctg cacgaaagga gtagctctgt ttccactatt gacactgccc 180
ggctgattca agcttttggc catgaaagag tatgcttgtc acccagacga attaaattat 240
atagcagcat caccaaccaa cagaggagat accttgagga agcggrcaaa cacagcaaga 300
aagtgtgaa ntacaggtca tcccctagtg acttctgagc acaccagaag gagacacatc 360
caggtagcaa accatgtgat ttcttctgac tctatttctt cttctgccag tagtttcttg 420
agctcaaaact ctactttttg caacaagcag aatgtacaca tgttaaaciaa gggcatacaa 480
gcaggtaact tggagattgt gaacgggtgcc aaaaaacaca ctcgagatgt tgggataact 540
ttcccaactc caagttccag cgaggctaaa ttggaagaga acagtgatgt gacttcttgg 600
tcagaagaaa aacgtgaaga gaaaatgctc ttaccgggtt atcctgagga cagaaagtta 660
aaaaagaaca agaagrattc ccatgaagga gtttckgggt ttgttctgtt ggaaaatgtg 720
gagtctagrt caaagaagga aaacgtgect aacacttgtg gccctggcat ctctgggttt 780
gaaccaataa ccaagaccag accctggagg gagccactgc gggagcagaa ctgtcagggg 840
cagcacctgg acggtcgggg ctacctggca ggcccaggca gagaggctgg cagagaccta 900
ctgaggccat ttgtgagagc aaccttccag gaatcgcttc artttcacag acctgacttc 960
atctcccgt ctggggagcg gataaagcgc ttgaagttaa tagtccagga gaggaagctg 1020
cagagcatgt tacagaccga gcgggatgca ctattcaaca ttgacaggga acggcagggc 1080
caccagaatc gcatgtgccc gctgcccagg agagtcttcc tggctatcca gaagaacaag 1140
cctatcagca agaaggaaat gattcagagg tccaaacgga tttatgagca gcttccagaa 1200
gtacagaaaa agagagaaga agagaagaga aaatcagaat ataagtcata ccggctgcga 1260
gcccagctat ataaaaagag agtgaccaat caacttcttg ggagaaaagt tccctgggac 1320
tgacacaagt ttattttctt cagagccttg gaattctatt ttatgaacct agagaagcag 1380
aatccttact tttgtgagtc tggttgaata aagcttattc tttgtccatg tgtatttttag 1440
aaatagtaac ttctaaagag tctggaacaa agtgggtgatt aaaattccta atgggttggg 1500
agcaatactt tctgcatagt ggccttgtcc aatggcctgt gtgttacaat gatatgatca 1560
tttctcaaga ataagtccct ttttgtatgt gtttttatac ttttagaaaa taaaaacttt 1620
agattaaaaa aaaaaaaaaa aaaaaagata tntcgggtcg tcaagggaat tg 1672

<210> 1389
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature

869

<222> (404)

<223> n equals a,t,g, or c

<400> 1389

```
ggccccatcct ggggtgaggct ggggctctcc tgggcactgt atgtattctg gatacaggga 60
tactgggctc gctatgtgtg tggarccatc ccttccttgc cccagcccca cctccctctc 120
aaaccctctc tggctctttc tgagcttcc ttcctgctcc ccagcttgcc cagtgtcag 180
tgccccactt ggctcttttg ctacttcggg tcaggtggaa cctcttgga atgtgaartg 240
ccttacagaa agattgcact tcaagargar argctscagg gaaccatcct aaacccaaaa 300
gcctggaact tactgkgta ctttactttt gtnnacaagg gtctccttaa tgccctcgaa 360
aaagatcttg ggcctgaact tctatcctga aggccacctc tgnncaaccc aactccctca 420
actcttaggt gttatctcaa ttggaaaa 448
```

<210> 1390

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (867)

<223> n equals a,t,g, or c

<400> 1390

```
gcttccttgt aggaaatgac cttcactctg gggttaactg gaggggcatc acctcccagg 60
gagacagtta cttcctggag gargtggtgt ttcctccacc cataggtgac ctgccccatc 120
ctcatggtgg cagcaaatca gcatgtgctg gggagaccct ggggtagcag cactgacct 180
cacacctgga ggaagctgtg tgaccgatc atgagcttat gcctgaagac agagcaagca 240
ctccccgcac cagcagcatg acgttcactt gtwttgwgtt tttcgatctc ttcaacgcct 300
tgacctgccg ctctcagacc aagctgatat ttgagatcgg ctttctcagg aaccacatgt 360
tcctctactc cgtcctgggg tccatcctgg ggcagctggc ggtcatttac atccccccgc 420
tgcagagggg cttccagacg gagaacctgg gaggcgttga tttgctgttt ttaactggat 480
tggcctcatc cgtcttcatt ttgtcagagc tccctaaact atgtgaaaaa tactgttgca 540
gccccaaagag agtccagatg caccctgaag atgtgtagtg gaccgcactc cgcggcacct 600
tccctaataca tctcgatctg gttgtgactg tggcccttgc cgtgtctcct cgtcagggga 660
gacttttagg aggccgcagc cttccatcac cggatcagtt tttcctctta ggaaagctgc 720
aggaacctcg tgggtccag ggaccaggc ccacatccat ccagcgttcc cgtggctgt 780
gggacagaca gggagggggc tgtacagaaa caccacactg tttattaaat cacaatgatt 840
tttattaaaa aaaaaaaaaa aaaaaanaaa aagggcgggc gc 882
```

<210> 1391

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

870

<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 1391
ccaccccagg gtctggtccc tgacgacgcg cagtgagggc cccgccgcta cccagcagt 60
cgcctcccaa gttcgcggaa cgcagctgac cggctccctc tggactgggt gacatgactg 120
ctcccaagca gtcgtttgta aactgagttt ctgtaaaaca attttatttt tcatatgtga 180
ctgtagcggg gtatgatttg aactttgttt tccgtccccc agcccggatt ctctgtcttc 240
tcctgtacag ccgntccgtt ttcttacctc gtctccgtca ccgaggccct cagccctgaa 300
cacaaggact gggcagtttc cctattgatt cctgaacctg gaacttaaga catcttccga 360
ggggccccc cttgncacac ccttagctg atcgacttac aaatacctgg gattctntcc 420
ccg 423

<210> 1392
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (730)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (747)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (811)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (843)
<223> n equals a,t,g, or c

<400> 1392
cccacgcgtc cgcttttttt aatctatggt attgtgagct tgtgcaatgc aagtggctct 60

871

```

tattataata atgaaatagc tactccattht aattctttac atgtccaatg ccagctttct 120
ctccgtttgc ctgttagccg agaaccctgt gcaactctct cctggatgtc atgggaaata 180
tgacaaagag asaacacttg gtcttggcct caaaggactc gtaatacaga agacccgaga 240
aggatgtacc tgcaggggta tctacagsag aaatttaatm aaatacttgg cacatcgag 300
ttacaaagaa agttttcaac gtggggccatt ggccactgca ggtttctttg tgagaaacat 360
ttgtgtgtnt ttttatccga gggaacaaaa ccctaggaaa ggaagtttca tcatctactc 420
ccatttttcc tcttctttga acaaaacttt tagctcaagg aacactgctt ttgaaggctt 480
gtgtttcatg cagcctgctt ccttagttga tctgttcaca agatcacatc aagtaattty 540
ttccattctg ggaagatggc gaaaacaaac agatactgtc agcagatgtt gatgaaccac 600
ctttccagaa ataaacagtg gcaggggaaca gagaaagcct ggagaatccc catcagtcac 660
cagccggaga agaccttttc ctgggctgga gtcccttgctg ggggaacgtc tgttctctgc 720
agcctgaagn agctctgggc caggagncag cactcagcaa gtcctaagac caattacat 780
cctgggtcca ttttgggttt gtaaagtcac ngaatttttc tctccagggc cttagtgtcc 840
gtntgtaaat gtacca 856

```

<210> 1393

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (576)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (606)

<223> n equals a,t,g, or c

<400> 1393

```

gtagtaattg aattattatc agaagtaaht tgacctcaa aaaagtaatt gggaaaatta 60
agtttatggc acttttgtta ataactgtat tgatgatgaa gagaagggtta gtactgtaat 120
ttgttttgta taagtctagt gcataatttg attgagtatg tttttaaaaa gccattgaaa 180
accacattht gtttggcttt agttacagtc tttgactgtc ccaactatta actttattaa 240
ctttattcat acacatagaa atacattaca caagcatcaa acataaacat tcagatcact 300
cacttcatct ttctcctggg cctaaaactg tcagtatatt tgcagttttc tgatatgtgt 360
tgtctgcatt cagaggactg tcaagagtca tagataggca tctgaatgaa gctttgagct 420
tcttaaaatg caaggtgggt gaaacacagg ataccaggaa gagaaaggat attgttcata 480
tagttgtggc agtggccttg agaactgtct tggctagaga tagattagga atctgnatta 540
atcctggaca ttgggggttc tttagtggat cccttnagct ttccctgccc ggctctaccc 600
attagntatc cagcaattta tggggccagtt aggaacctcc a 641

```

<210> 1394

<211> 712

<212> DNA

872

<213> Homo sapiens

<220>

<221> misc feature

<222> (705)

<223> n equals a,t,g, or c

<400> 1394

```

ggtggtggtt catggatggt gataaggaat taaaatgtac cgtgcgactc tctgtttcag 60
tggtgacttt tacctgttta gtataaatat tcctttgctt ccaaccataa atgtgttctt 120
agaaatgggc ctatagttta gtaacctata gtttggaat aggcttggtt gttttcagat 180
ggattttggt tctgtgagct aaagctatgt tgcattaaag ccttcgtcct cacacattgt 240
tttgacatat ttctagtctt cataaacttt tttaatttag atttttttcc cttcacaagt 300
atacatctgt tttagcaaat agccttatga aggttgtaga tgtattattt tgggcatgcc 360
tggtgatttc tatatttttt ccaattacat ttaaagcttt atgttttagg aatataagta 420
cattttattt ctacttttta ttatatatat ttaattgcac aagtactact gtctagaaaa 480
aaatgggatg ttgctaacac agcattggtg gcttgtaggc agtgctgtcc tgtaaataga 540
ttgaaatgta tttttatcag ctggtatata aatttgagga aagaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaangggggg gg 712

```

<210> 1395

<211> 920

<212> DNA

<213> Homo sapiens

<400> 1395

```

aatttttcac ttccagacgg cgatacaggg attccagatg cgcttttacc gttccggtac 60
tgatattcag cgctctgccg atctccttat ttgattcgcc cgccgctaac atggttaaaa 120
tctcccgtcg gcgggcgctt aacgatttga gatctttaat gtccttttcc ggcgtcgtcc 180
gccagtctcc aggcagaaac atcatcccca tcgccgcact atttaccgcc aacgcaaagt 240
tctcgacggg tgaatcacga ggcacaatgg ccagcacatt aaaatggata acttcctgta 300
accaccgttt attgcaatcc gtcgccgtaa ttaacacctt aacctcagga aattgcacca 360
cggttttttg cagcaaccag tagcaaaact caccatcctg atcgccatcg agcataacta 420
aggcttcagg gtaactttcc agcttttgcc ataactcgtc tgcctgactg gccccctgaa 480
tactcactcc tggaatacgc tgctgtaaac tgattttcat tccatgaata aatattgact 540
gcctgtcaaa catgactatt tgcataactg aatctccacc tgaatacgtt aaaaagactt 600
aagtagtgga aggggtattac ccgcgagaaa aaataagaat tcgccatttg gcgggtggcca 660
ttctacagag atgacgtgta gaaaatagtt accgatataa atagttacag ctaaacgcct 720
gaaattacat gtcgagggca ctatttaaaa caattttgag gatttcctta tattggtggt 780
tagtacgcat gcaattaaaa atgaaattcc gcgaccacaa gccaaaataa caaacggcaa 840
ggagacaaaa ataagcacia atagccaaca cgctctctgt tcacttttaa gggaatcgct 900
gaaaaatacg ctctgtttta 920

```

<210> 1396

<211> 1101

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

873

<222> (930)

<223> n equals a,t,g, or c

<400> 1396

```
tcgacccacg cgctccgccc cgcgtccgca accccctctt taaaatgcaa aatggccctt 60
ccctaaaata acacacaacc acaaccgcag ctggctctgc acgaaggcca tgctgcagct 120
cttttcttcg gaagtcgatt ttctccgtg gaatttggtt gggcttgtgg tagcgtttga 180
gactctgcaa gagcacgtcc acgccaacca gtctctggtc accgactggc tcgcaaattc 240
cccatttaag gaaaccagca ggccctctgt atgaaactcg gggaaggaat gtgaattatg 300
ctccatgagg aggcctctgc tectgcacgt ttccagcct tttccatggg ccacgggtga 360
gcatttgggg aaggcctgtg tggattcccc cccaagtcca gactgatgcc cctgatacct 420
tctcaggagg tggcggaggg tctgggctct gtccaggctc ctagggggtg ggacgtgcag 480
gtaaagcaag gcgtctgccg cagaecgggg agccttcctt gggctggctg ccagcacctt 540
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tcatatgatg gccgggctcg ggccctcagc agacaccaag tgtgttccca gagcagccgc 660
tcagcgcttg taacctggaa caggccagcy ttccggggsc tcagttttct catctgccta 720
atgggaatag caattcccac ctccctctgt ttgggtgggt tctcactaga tgcacaggag 780
acagcagctt kagagggact gtttggarar ctgttccatg tgacaccctt cttaccctgt 840
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agggaagagg gcatgtttgg ttcgaggctn ytatgccctc attcttgttg atcttgtcac 960
agccctctcg gaagggtggag atggtactcg ctgaggaacg ataccactca aggaagcatg 1020
gccccctgga tggggtggcc cttggtgcac ctgaggctcc tgaggctgca gagcaccatg 1080
gtgggggagg aggcggctgt g                                     1101
```

<210> 1397

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 1397

```
ttaggcagaa tgatcacctc cgttgtttca ggtactctgt gtttatttat gcaacagttc 60
atgtaaaatg gagacgaggc cagargawtc cttgagcagm cagagccagt tgggcctcct 120
aagtgcacct aaccttgctt gatttgcaag catgtctgaa actttatttg tggattttct 180
tgtaaatgcc tatgttaaag aaacacagaa cttaagctca accaatcaga agcagccaac 240
aaaaacgtaa ttagtaacta ggacttcctc atgggataga ccaaataagg caactgtata 300
actgtgtaac tgtataactg taaccaatga aatattatct ttgcttttat ctatttgtcc 360
taaaaagcct cctcctcatg ttctctctgg ggagctccct akccacttct ggmtcactgc 420
tcaaataaac tcytaaatat tttaaan                                     448
```

<210> 1398

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1398

```
agatttacct tgagcacttt ccaaattgat actttcaaac ttattttaaa gcagtagaac 60
```

874

```

cttttctatg aaytaawtca catgcaaaac tccaacctgt agtatacata aaatggactt 120
acttattcct ctcacyttct ccagtgccta ggaatattct tctctgagcc ctaggattga 180
ttctatcaca cagagcaaca ttaatctaaa tggtttagct ccctcttttt tctctaaaaa 240
caatcagcta ataaaaaaaa aatttgaggg cctaaattat ttcaatgggt gtttgaaata 300
ttcagttcag tttgtacctg ttagcagctt ttcagtttgg gggagaatta aatactgtgc 360
taagctggtg cttggataca tattacagca tcttgtgttt tatttgacaa acagaatttt 420
ggtgccataa tattttgaga attagagaag attgtgatgc atatataata acactatttt 480
taaaaaatat ctaaatatgt ctcacatatt tatataatcc tcaaatatac tgtaccattt 540
tagatatatt ttaaacagat taatttggag aagttttatt cattacctaa ttctgtggca 600
aaaatggtgc ctctgatgtt gtgatatagt attgtcagtg tgtacatata taaaacctgt 660
gtaaacctct gtccttatga accataacaa atgtagcttt ttaaagtcca ttgtattgtt 720
ttttctttca ataaaagagt ataattaatt gtgtgtgttt tga 763

```

<210> 1399

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<400> 1399

```

cgttgccagt gtatgacaaa agtaggagtt agtaaaactaa tatattttgt acattttggt 60
ttacaagtcc taggaaagat tgtcttctga aaatttgatg tcttctgggt tgatggagat 120
gggaagggtt ctaggccaga atgttcacat ttggaagact ctttcaaatt ataactgttg 180
ttacatgttt gcagtttatt caagactgct gtatacatag tagacaaatt aactccttac 240
ttgaaacatc tagtctatct agatgttttag aagngcccga tgtatgttaa aatgnataag 300
gtattaaata ccccttttg

```

<210> 1400

<211> 1575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1450)

<223> n equals a,t,g, or c

<400> 1400

```

gcaagttcag attcgtattt tggatgtcaa tgacaatata cctgtagtag aaaataaagt 60
gcttgaaggg atggttgaag aaaatcaagt caatgtagaa gttacgcgca taaaagtgtt 120
cgatgcagat gaaataggtt ctgataattg gctggcaaatt ttacatttg catcaggaaa 180
tgaaggaggt tatttccaca tagaaacaga tgctcaaact aacgaaggaa ttgtgaccct 240

```

875

```

tattaaggaa gtagattatg aagaaatgaa gaatcttgac ttcagtgtta ttgtcgctaa 300
taaagcagct tttcacaagt cgattaggag taaatacaaag cctacaccca ttcccatcaa 360
ggtcaaagtg aaaaatgtga aagaaggcat tcatttttaa agcagcgtca tctcaattta 420
tgttagcgag agcatggata gatcaagcaa aggccaaata attggaaatt ttcaagcttt 480
tgatgaggac actggactac cagcccatgc aagatatgta aaattagaag atagagataa 540
ttggatctct gtggattctg tcacatctga aattaaactt gcaaaactty ctgattttga 600
atctagawat gttcaaaatg gsacatacac tgtaaagatt gtggccatat cagaagatta 660
tcctagaaaa accatcactg gcacagtcct tatcaatggt gaagacatca acgacaactg 720
tcccacactg atagagcctg tgcagacaat ctgtcacgat gcagagtatg tgaatgttac 780
tgcagaggac ctggatggac acccaaacag tggccctttc agtttctccg tcattgacaa 840
accacctggc atggcagaaa aatggaaaat agcacgccaa gaaagtacca gtgtgctgct 900
gcaacaaagt gagaaaaagc ttgggagaag tgaaattcag ttcctgattt cagacaatca 960
gggttttagt tgtcctgaaa agcaggtcct tacactcaca gtttgtgagt gtctgcatgg 1020
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gctcatgatt ttggcctttc tgctcctgct attggtacca cttttactgc tgatgtgcca 1140
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ttggaataat gaaggagcac cacctgaaga caaggtggtg ccatcatttc tgccagtgga 1260
tcaagggggc agtctagtag gaagaaatgg agtaggaggt atggccaagg aagccacgat 1320
gaaaggaagt agctctgctt ccattgtcaa agggcaacat gagatgtccg agatggatgg 1380
aaggtgggaa gaacacagaa gcctgctttc tggtagagct acccagttta cagggggccac 1440
aggcgctatn catgaccact gaaaccacgr agaccgcaag gcscacaggg gcttccagag 1500
acatgggccg gagcttcagg cagctgctgt ttgcactgaa cgaggaattc ttaaaaaatt 1560
tatttcactg gttaa 1575

```

<210> 1401

<211> 1313

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

876

<222> (1295)

<223> n equals a,t,g, or c

<400> 1401

```

caacacccca tctctctctc tctaaaaaaaa gagaactggc cgtgagctat tgtgcccagc 60
tgggatcttg acaaagacac tatttctctc ctttcacctg tgctgtgtat ttttccctcg 120
cctagttccc agacctcact gctatatgtc ttctccctgg caggcaggat gacgcaaaac 180
acggtgattg tgaatggagt tgctatggcc tctaggccat cccagcccac ccacgtcaac 240
gtccacatcc accaggagtc agctttgaca caactgctga aagctggagg ttctctgaag 300
aagtttcttt ttccacctgg ggacactgtg ctttccacag ccaggattgg ttatgagcag 360
ctggctctag gggtgactca gatattgctg ggggttgtga gttgtgttct tggagtgtgt 420
ctcagcttgg ggccctggac tgtgctgmgt gcctcaggct gtgccttctg ggcgggggtct 480
gtggtgatcg cagcaggagc tggggccatt gtccatgaga agcaccggg caaacttgct 540
ggctatatat ccagcctgct caccctgrca ggctttgcta cagctatggc tgctgttgtc 600
ctctgctgta atagcttcat ctggcaaaact gaaccctttt tatacatcga cactgtgtgt 660
gategctcag accctgtctt ccctaccact gggtagacagat ggatgcggcg aagtcaagag 720
aaccaatggc agaaggagga gtgtagagct tacatgcaga tgctgaggaa gttgttcaca 780
gcaatccgtg ccctgttctt ggctgtctgt gtcttgaagg tcattgtgtc cttgggttcc 840
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tcagagaaga ggctactggg ggagaattca gtgccccctt cgccctctag ggagcagacc 960
tccactgcca ttgtcctgtg agcygcaaaa gacccacggg ggtgcccgcg tgccccctgtc 1020
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ccagaccctc ctcccttctt ctccccacat ccgcacctgc tgttcccact ctgggggttct 1140
caagtccatg aacagatatt gttgcatttt ccacaatgct gattaaacat aataaacaat 1200
ccagaaaagc aaaaaaaaaa aaaaaaargg cggccgctct aaaaggatnc ctcgaaagggg 1260
cccaagcntt aagcgttgca tngaaagtca naagnctttt ccctaatagt gaa 1313

```

<210> 1402

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 1402

```

cactaaggga acaaaagctg gngctccacc gcggtggcgg ccgctctaga actagtggat 60
cccccgggct gcaggaattc ggacagagtg aacccttgtc tgatacgcac atagtgaatg 120
gagaaaagaga tgaaactgcc acagctcctg catcacccac aacagayagc tgtgatggaa 180
atgcttctga cagtagctac aggactccag gcataggccc agtggctccc cctagaagaa 240
agaggggcag aaacagaaac caaggtaaaa gagagggaaa atgggggaaag ccctctggaa 300
ctggagcagc tggaccagca ccatgagatg aaggagacta atgagcaaaa acttcacaaa 360
atagccaatg aacttttgtc tactgaaaga gcttatgtca accgacttga cctcttagat 420
caggtatttt attgcaaaact gttggaagaa gcaaacccgag gctcgtttnc agcagagatg 480

```

877

gtgataaaat ctttttctaatt atttcatcaa taaatgcttc catagtaa

530

<210> 1403

<211> 1410

<212> DNA

<213> Homo sapiens

<400> 1403

```

gaaaatgtat ataataggca aggaaagaaa tacagtactg tttctggacc cttataaaat 60
cctgtgcaat agacacatac atgtcacatt tagctgtgct cagaagggt atcatcacc 120
tacaactcac attagagaac atcctggcct ttgagcactt ttcaaacaat caagttgact 180
cacgtgggtc ctgaggcctg cagcacgtcg gatgctaccc cactatgaca gaggattgtg 240
gtcacaactt gatggctgcg aagacctacc ctccgttttt ctactagata ggaggatggg 300
agaagtttgg ctgctgtcat aacatccaga gctttgtcgt atttggcaca cagcagaggc 360
ccagatatta gaaaggctct attccaataa actatgagga ctgccttatg gatgatttaa 420
gtgtctcact aaagcatgaa atgtgaattt ttattgttgt acatacgatt taaggatatt 480
aaagtatttt cttctctgtg agaaggttta ttgttaatac aagggtataat aaaattatcg 540
caacccctct cttccagta taaccagctg aagttgcaga tgtagatat ttttcataaa 600
caagttcgag tcaaagttga aaattcatag taagattgat atctataaaa tagatataaa 660
tttttaagag aaagaattta gtattatcaa agggataaag aaaaaaatac tatttaagat 720
gtgaaaatta cagtccaaaa tactgttctt tccaggctat gtataaaata catagtga 780
attgtttagt gatattacat ttatttatcc agaaaactgt gatttcagga gaacctaaca 840
tgctggtgaa tattttcaac tttttccctc actaattggg acttttaaaa acataacata 900
aattttttga agtctttaat aaataaccca taattgaagt gtataatata aaaaatttta 960
aaaatctaag cagcttattg tttctctgaa agtgtgtgta gttttacttt cctaaggaat 1020
taccaagaat atccttttaa atttaaaagg atggcaagtt gcatcagaaa gctttatatt 1080
gagatgtaaa aagattccca aacgtggtta cattagccat tcatgtatgt cagaagtgca 1140
gaattggggc acttaatggg caccttgtaa cagttttgtg taactcccag tgatgctgta 1200
cacatatatt aagggtcttt ctcaaagaaa tattaagcat gttttgttgc tcagtgtttt 1260
tgtgaattgc ttggttgtaa ttaaattctg agcctgatat tgatattggt ttaagaagca 1320
gttgtagcaa gtgaaattat tttggagatt ataataaata tatacattca aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1410

```

<210> 1404

<211> 1442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1377)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1419)

<223> n equals a,t,g, or c

<400> 1404

```

cttctatatt agatggacag atttatatac ttttccatgg aggattaagt aaactgaaac 60
ctaagacaca cgaagaaatt ctaagtggaa aggccactta ttagttagtt tacagcagta 120

```

878

```

tcgtaagtga caggatgata ggagtgtggt aagtgatcag gataataatc tgcttagtaa 180
gagaaacaat ttgaatttta gaaggaaatt gccttaccat ttgcaaatta aggtaattaa 240
aatacagtga atttcaaaat gcctttttta tgacaatgtg tgaacttaat ttgtttta 300
aaaccaaatt tggtgttatt gtgttaaggc tattttacat tgaatgtgta tcttgccact 360
gatgttaact tatcccatct tacccaaggt tgtaggtaac aatatactat tgggtgacag 420
tggactaaca tctctagtga tccctttgtc agtggctctt aacttaaaat aatttagaga 480
atatggtttc tacaacttac atttttgttt wcttgtaact acagattatt atgatggttg 540
taatgaagat tatgagtata attggagcta tatgtttctg aattctgaac aactatttat 600
aaaattttat cctacttttt tctgttgaac atatgacttc tctggctctgc taaacacata 660
cagaccttta gttttggttt acatggattt aaatatatag atatatcact gtaaaaaata 720
cttcagggtgt aacagattta tagagaaagt aatcataatt gtttatgggt gtgtacctac 780
tttgagaaga aaagaaaaat attagaatga acagataatt ttacaagtgt tgatcactta 840
ccagcaaac agaaacttca gagattttga aagcaaactt attttctctg ctgtgtatta 900
aattcattta tctaaaaatg tattgtctct ggcttagaat catcttctgc aaattctctt 960
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tcacaaaata attttcacgt gagtaatttc acagtgcgtg tattgtatgt tatttagtgt 1140
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tcattttact ttataaaaat gacataattg agtttattaa atttattggg ccaatttaag 1260
taaacagttg aacgtttcat aagtcatgag gtcttttttg gcatatacat gaagtaaaca 1320
aagacaatac taggctatgt aataggragg ctacctaatt taggaggtaa atattcnttt 1380
tggaaattgg gcccggtggc ctcgggtgga aaatggggna atatccctag gtaaaaaaat 1440
gg 1442

```

<210> 1405

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (976)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1671)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1680)

<223> n equals a,t,g, or c

<400> 1405

agctccaccg cgggtgacgnc cgctctagaa ctagtggatc ccccgggctg caggaattcg 60

879

```

gcacgagggtt acattcagta tggtaatgaa gaacagagaa aacaggcctt tgaagaattg 120
cgagatgatt tggttgagtt aagtaaagcc aaatatcgga gaaatattgt taagaaattt 180
ctcatgtatg gaagtaaacc acagattgca gagataatca gaagttttaa aggccacgtg 240
aggaagatgc tgcggcatgc ggaagcatca gccatcgtgg agtacgcata caatgacaaa 300
gccatttttg agcagaggaa catgctgacg gaagagctct atgggaacac atttcagctt 360
tacaagtcag cagatcaccg aactctggac aaagtgttag aggtacagcc agaaaaatta 420
gaacttatta tggatgaaat gaaacagatt ctaactccaa tggcccaaaa ggaagctgtg 480
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ctcagatcag aaatgattga agccatccgc gaagcgggtg tctacctggc acacacacac 600
gatggcgcca gagtggccat gcactgcctg tggcatggca cgcccaagga caggaaagtg 660
attgtraaaa caatgaagac ttatgttgaa aagggtggcta atggccaata ctcccatttg 720
gttttactgg cggcatttga ttgtattgat gataactaagc ttgtgaagca gataatcata 780
tcagaaatta tcagttcatt gcctagcata gtaaatgaca aatatggaag gaaggtccta 840
ttgtacttac taagccccag agatcctgca catacagtac gagaaatcat tgaagttctg 900
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gagcaagata aaaagwtgaa agaaaatggg agagaagggt gttttgcaa aacacttgta 1260
gagcatgttg gtatgaagaa cctgaagtcc tgggctagtg taaatcgagg tgccattatt 1320
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aaaagcttga ttcctacatt ggaaaaaacc aaaagcacca gcaaaggaat agaaattcta 1440
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ttctctgttc tgtttcccaa tgcagaaaag aaggggtagg gtccaccata ctggttaattg 1560
gggtactctg tatatgtgtt tcttctttgt atacgaatct atttatataa attgtttttt 1620
taaatggtmt ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg ncccccaan 1680
gggccccaa 1689

```

<210> 1406

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<400> 1406

```

ggttttggat gttgctgccg gcatgattaa accagggtgta actactgaag aaatagatca 60
cgctgtacac ttagcatgta ttgcaagaaa ttgctaccct tctcccctga attattataa 120
tttcccaaag tcttgttgta cctcagtga tgaagtcatt tgccatggaa taccagacag 180
aaggccctta caagaagggtg acattgttaa tgtggatata actctttatc gcaatggtta 240
tcatggggac ctgaatgaga cattttttgk tggagaagtg gatgatggag cacggaaact 300
tgttcagacc acatatgagt gcctgatgca agccattgat gcagtgaagc ctggtgttcg 360
gtacagagaa ttgggaaaca ttatccagaa gcatgcccac gcaaaggggt ttttagttgt 420
tcgaagctat tgtgggcatg ggaatccaca agctttttca tacagctccc aatgtacccc 480
actatgctta aaaataaagc agttgggagt gatggaagtc gggccatgta tttacaattg 540
gagccaatgg tttgtggaag gcggatggca ggatggaaac ctggggccaga tggttgggac 600
tgcggtggac aagagacggg aaagcgggtct gcttcaattt tgagccacca acccttcctg 660

```


880

gttcaacagg acaantgggt gtggaaaatc ctttaaccccg gcggcttt

708

<210> 1407

<211> 838

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (753)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (810)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (813)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (831)

<223> n equals a,t,g, or c

<400> 1407

```

acccacgcgt cgcgtcatat caccaatcct gagcaaacc ttcttggaa taatttgaca 60
ggattttctt caccggttga caatcatatg aggaatctaa caagccaaga cctamtgtat 120
gaccttgaca taaatatatt tgatgagata aacttaatgt cattggccac agaagacaac 180
tttgatccaa tcgatgtttc tcagcttttt gatgaaccag attctgattc tggcctttct 240
ttagattcaa gtcacaataa tacctctgtc atcaagtcta attcctctca ctctgtgtgt 300
gatgaagggt ctatagggtt ttgcactgac catgaatcta gttcccatca tgacttagaa 360
ggtgctgtag gtggctacta cccagaacc agtaagcttt gtcacttggg tcaaagtgat 420
tctgatttcc atggagatct tacatttcaa cacttatctc ataaccacac ttaccactta 480
cagccaactg caccagaatc tacttctgaa ccttttccgt ggcctgggaa gtcacagaag 540
ataaggagta gataccttga agacacagat agaaacttga gccgtgatga acagegtgct 600
aaagctttgc atatcccttt ttctgtagat gaaattgtcg gcatgcctgt tgattctttc 660
aatagcatgt taagtagata ttatctgaca gacctacaag tctcatttat ccgtgacatc 720
agacgaagag ggaaaaataa agttgctgcg canaactgtc gtaaacsma attggacata 780
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<210> 1408

<211> 932

<212> DNA

<213> Homo sapiens

<400> 1408

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gaagaatctt actgaaaatc aagaagctct tgcaaaagaa atgcgagcag atgcagatgc 60
ctatagacga aaagtggatc ttgaagaaca catgtttcat aagctgatag aagcaggtga 120

```

881

```

aaccagagc cagaaaactc agaaggtgat taaagaaat ttggcaaagg ctgaacaagc 180
atgcctaaat accgactggc agattcagtc ttacataaa caaaatgtg atgatctaca 240
acgaaacaaa tgttaccagg aagtagccaa actccttagg gaaaacagaa ggaaagaaat 300
agagataata aatgcaatgg tggaggagga agccaagaag tggaggaag ctgaaggaaa 360
agagtccgt ttgagatcag caaagaaagc ttctgctctt tcagatgctg ctagaaagtg 420
gttttttaaag caagagataa atgctggctgt agaacatgct gaaaatccat gtcataaaga 480
agaaccagcgt ttccaaaatg aacaggactc aagctgtttg cctagaacct cacaattaaa 540
tgactcttct gaaatggatc cctcaacaca gatttcttta aatagaagag cagtagaatg 600
ggacaccacg ggacagaatc ttattaagaa agtgagaaat ctccgccaga gactcactgc 660
ccgggctcgt cacagatgct aaaccctca tcttttggct gcatagaatg catgtcacct 720
tgagacgggtc gagagagaga cctattttgc aatcagtgac attgattttt agattattta 780
tttaaaattc ctataaagat cagccctttg tacagaaaaa tgtgtctata aaaattatgt 840
gttatttaat tctgatactt tttggcttgt aatggcttc ttgaactttt tacaataaaa 900
atgttttaga aactgttaaa aaaaaaaaaa aa 932

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<210> 1409

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (671)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (749)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (751)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (760)

<223> n equals a,t,g, or c

<400> 1409

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caaaatcagt gctgtgcccc gcgtcaggcg tggagacaac agaaagttgt gcttaaagct 60
cgaatcagaa atccccggcg agtgtctctg tgctctccct gcttctctgc tctgtgccc 120
ccttactttg caccattcct attgcaatta cctcaaccag ttcgctgccc tcggtctctc 180
accagccaga gtgatcattt aaaatgccaa tcagttcctg tgggccttgg gaatmatyca 240
gaggagcccc attggctgag agataaaatt ctgtttttac ctgggcacgc gggctctcca 300
ggatttgatt ccagcttacc tttccagtct tgattcccta tattccagta tttggaaatg 360
tgggccttgg actgaggett taccaaataa cgctgarcac ctagtattgc cttttgcacg 420
aatgggtactg atgggtgcca agataactgc ctccamcccc aagttcagga cccagatcac 480
tctctggaga aggcctcagc ctcttgctk ggctttcaag gctctgcgtg atttggtatc 540
tcgcttagct cttattttata tatattttta aagcatcagc agtttatctc atgcccacta 600

```

882

aactatcctg cctccgtacc ctttgttcat actttctgct ctgtgtggaa tgcccttctt 660
tcttccctg ntctttctct tagaccaag ggttctcaag ccttatttct gcctctccca 720
tctcaaaaaa taaaataaat aaataaacnt nataaaaaan tcaaa 765

<210> 1410

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 1410

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aaaacaaaaa aaacaaaaaa gcaaaaaaac cccacaatcc agtgagtaag acctcagccg 120
gcctgaggtt cacagggttt aaatggaatg cagtgggaag taaagagtga tccaaggag 180
aagtaaaaat cttgacacct tactctcttc ggcttgtccc acttttcttc aactgccccg 240
ctactggaac attttctctt tctcaatttc gattgtcccc ttaagcaatt tactaattag 300
acattaaaac ttcttattct ctcaatccca aagcaaaact gatgagcaga gcaaaccaga 360
gcagttgggg ccagaacaga acaaagacgt acctgatgca ggggaattgaa gccagaccca 420
aaacggggca acccaatagg atggggccatc tgccccatt aatgccagct tgtccaagtg 480
taattattaa cagtgcctccc ttctactctc caaagagtcc tgtccagaca gt 532

<210> 1411

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<400> 1411

883

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nattatccct cactaaaggg aacaaaagcn ggngctccac cgcggtggcg gccgctctag 60
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tgttgtgtat ataatcgtct ctttagagtt ccagacagct gctagtgtcc aaatatgttt 180
ttctaaagaa atattttgtt tgtgagtacc aacagtccta gtaactctct tatccctctt 240
atgtgctgag tacagtcgga ggaagaggaa ttggagttgg tgagtgtggg tttctgcttg 300
aaggaagttg aaaaagatgt agaaagtact aattctctta cgtgttggtta tctaaccaat 360
gtnccttttg ttacacaaat ttttttaaac actattcaaa cactttgaat aaagcaatct 420
actgggtacta cagactctag ttttccctatt tataattgta tgtgttgacc cattttatct 480
gttggaggga acattggaat agagccttta aaaacagtag ctgtccatga gcataggata 540
cttggttaatt tt 552

```

<210> 1412

<211> 1100

<212> DNA

<213> Homo sapiens

<400> 1412

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ggctaaattc tactcttgaa gggctcgtagt ccacagcacc aaaatgactt aagtcctata 60
aaaaaaaaaa aaaaaagtta attctctgca ctgaagaaag tccataacctg gctcattttg 120
ggcaattctt tctcagtttt atctttttct ttggctaaat ccttaatcat ctgcttcagc 180
tgtttctgat aatcaactgc atcaccttga aacaaaggaa aacaatatgt ggtttaattt 240
aaataaattc agtgacagca aaaaggaaac tatgtaggag agaggagcaa gggggtgagg 300
aattccacta agcaaattcc atacaaaact ggaaagcaag agattcccct ggagagccag 360
tgggtggtaa ctggggggact tctgctctaa gaggaccctg gaaacagcaa acaggaggaa 420
ggaacttggt ggtgggggca aggggcagcc acccagcaac acccccacta ggagcacttc 480
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ggaaagcaac aatgaaaaga ggtacgtgcc attgggtttc ccgaaaacca ggggtctcga 660
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ttaaaaaaag atgagagggt taaattaaac aaattttctg ccttaccaaa actgacagta 780
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tttgcagggt ccacgaaccc aaatgcacac caagcactgt ctggataccc agagaaaata 900
aaatgtcccc cacaccaagt gtgccttttc ccagagggtat gtggagactg ttgtaattaa 960
caacatacac attcatagaa ggacactgct aatactgatt tggaaaaaat gtatgtagt 1020
aaatcccatt ttgtaaaact gaaatatatc catgcacaca taaagtactc tagaaataaa 1080
tacactaaat ctcaaaaaaa 1100

```

<210> 1413

<211> 563

<212> DNA

<213> Homo sapiens

<400> 1413

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tttacatgtt cctccagtgt tgagaaaaac ctaatgccyt tttttgtgtt aagtttacct 60
attaatttta attttttagt agatagaact tagatgacgg atttaacctt gaagtagggt 120
tgtattttta aatctatttg ctttgattac cacagacagt gattgaggta gatgggcact 180
atctggctgc ttatatgaag gttttgaaac cattctgtta atccttttaa caaatgggtta 240
tctgtccttt tctatcttat aataaaaagat tgaagatatg acttagtatg ctcatgttac 300
tgtttgctta gagatgggag gctatttttra tttttcatgc tgttctaaat catgaaagaa 360
taggtaaactt tgtactcatt tcttaattta aatttaagaa gcacttgtag attttttgta 420
ttggtatttc agatccctat tgagtttttt aactgaagtc ggagcaaatg aattgagcat 480

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884

tctgagtact tggctaataca agtgatgaag aggtagtaat atgaattctg ggacctaggc 540
 atagatgacc tgattctgtt ctc 563

<210> 1414
 <211> 583
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<400> 1414
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 atcccccggg ctgcaggaat tcggcacgag catataaatt atcttaatga tctaggtatt 120
 ttgttagggg aatacatata gtcaggatag gataagaggg gaagtaatga gtggtttact 180
 aaatatataa gacaaacatt tcaagtaaaa atttcaggag aaaatttttt tttaggtttc 240
 taagaaatat atttgtggat gtggaatttt tctgycagat gacgtaagag caaagttgaa 300
 gatagctaata acytggggat tcatakggag gtaatttttt atttaaaatg agcaagaagg 360
 accctagcct tttattgttg tcttggaac tcattcccca ccagtatcat tccttgaaga 420
 aatggttggg tctaggtctg gggcaggaaa tatatgrgat aagctgaaac atcttgacta 480
 tcagcaaaga ttttatcaaa cgatgctagg gttgtgtcag aaggactcag cagccaactg 540
 aagacgttcc cactggccaa aatagggcac attgagtatc tgt 583

<210> 1415
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 1415
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 agaacagtag gtgttccagg gcttttgtcc tgctgggtac aagcaagtag gattttgaga 120
 aggtgtgagg aggaggtcag aaaaattggg ggaaatagga aagagaaaga aatatggccc 180
 cgattttggg gagagaaagt ctggggaaag agcaaaggca attaaagagg attttgagga 240
 agagacttct gtaaaatatg tcttagcaac acttttttga gttgaaaata tttcttttta 300
 gtgtgttatt ttttctaaga ggtgcctcaa gatggataat ggaagatttg gagtacgatt 360
 gggttgacaa tccaaggaga ttcggtgaca tccagattac cctgaaaaaa aaaaaaaa 418

<210> 1416
 <211> 513

885

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (435)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (473)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (498)
 <223> n equals a,t,g, or c

<400> 1416
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 ccttgattct gctatttact agctaagtgg ccacaaataa gttattttaa tcctctaagc 120
 ctgcttctgt agttgtaaaa tgagagttat agcagcacct accacctaag attttgaggt 180
 ttgaatgaga aaatgcatgt aaagctttgg gcattgtgca tgatgtaaac actcaaagt 240
 tactgaagtc aataaatgtt aactattttt tagcacactt cagtgggctt atatcaccag 300
 tcaaaaatgat acacagtatt ttatttaatg gctttatgta aattatattt tactagctat 360
 taataaatta actcttgga cttttgccat ggtttaattt gaaaaattga aaataaatgg 420
 aaaaatcata aaaantccat ctattttggg atttacacat aataaccact atntgggtcc 480
 aaagtttaaa aatactancc atggctgggc cgt 513

<210> 1417
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (42)
 <223> n equals a,t,g, or c

<400> 1417
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 atccccggg ctgcaggaat tcggcacgag gccctccctg cgttttagatt cagttgcacc 120
 ttttattatt ttaactcttc tccttaggac acgcagcccc caatttktc ctcgggctg 180
 ggcggccctt ggtcccgcgc gccacatggg agagcagagg acctgcccgc ggcccgcgg 240
 cgtgtgcaag gaggtccagc cgccgcgccc gctacccgga gtctgaggac ggggtgtccag 300
 ggacggagag gcaggtgaga gggaggtggc taagctggst atggtgacag gacgatgttg 360

886

gccagaaaga gtatcatccc ggaggagtat gtgctggcgc gcatcgccgc agagaacctg 420
cgcaagcgcg catccgagac cg 442

<210> 1418

<211> 929

<212> DNA

<213> Homo sapiens

<400> 1418

ggctgatagc tgtgtgtgtt agcttgtata tatatTTTTT aaaatctacc tgttcctgac 60
ttaaacaAAA aggaaagaaa ctacctTTTT ataatgcaca actgttgatg gtaggctgta 120
tagtTTTTtag tctgtgtagt taatttaatt tgcagtttgt gcggcagatt gctctgcaa 180
gatacttgaa cactgtgttt tattgtggta attatgtttt gtgattcaaa cttctgtgta 240
ctgggtgatg caccatttgt gattgtggaa gatagaattc aatttgaact caggttgttt 300
atgaggggaa aaaaacagtt gcatagagta tagctctgta gtggaatatg tcttctgtat 360
aactaggctg ttaacctatg attgtaaagt agctgtaaga atttcccagt gaaataaaaa 420
aaaatTTTaa gtgttctcgg ggatgcatag attcatcatt ttctccacct taaaaatgcg 480
ggcatttaag tctgtccatt atctatatag tctgtcttg tctattgtat atataatcta 540
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acagtgagga aattcggagc tatacatatg tgcagaaggc tactacctag ggtttatgct 660
taattTTaat cggaggaaat gaatgctgat tgtaacggag ttaattttat tgataataaa 720
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tttccatcag actgaactta cactgtatat tttgcaatag ttacctcaag gctactgac 840
caaattgttg tgttgagatg atatttaact ttttgccaaa taaaatatat tgattctttt 900
ctaaaaaaa aaaaaaaaa aataacgtt 929

<210> 1419

<211> 244

<212> DNA

<213> Homo sapiens

<400> 1419

cgcacaaact ctttgaaccc gctgtaaaag atttgTTaat tgccttgccc caaaattatc 60
gcactggcga cgtgattttm atcactatgc agagtctggc tgggtggaat tccgcactgc 120
cacccttggt gcggaagaat tgcaccagct cggtatttca ctggcgctgg gtcgcgaata 180
gttaatgaaa gtagccggat gggattacct gatgaattca ctytacaacg sgaattcgag 240
cgcg 244

<210> 1420

<211> 172

<212> DNA

<213> Homo sapiens

<400> 1420

cagcaattcg gcagggaagg gtcgccggct gcttacgtgg gcgggcctag tgtggggctg 60
aggggtcggg tcgctatggc ggtggacatc acgctgctat tccggggccag cgtcaagacc 120
gtgaagacrc ggaacaagcg ctgggagtg ggtggggcga cggggctcgat gg 172

<210> 1421

<211> 2293

<212> DNA

887

<213> Homo sapiens

<400> 1421

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tttttttttt tttttttttt tttttttttt tttwactttt taaacaatcc attttaatca 60
tctaaattat ttacaataca ataacatgga ttcattccttt ttaagacatg ggattgtaaa 120
aatcaacaag tgaatgatgc ttcaaataat acattttaaat acattaatca aatttttttca 180
gtgcttaaaa cttttttctcc atgggacagc aggcctctgga caaaagtgcc tagcatacaa 240
gtttttcccaa tttccttcta tcataccagc tgcacataaa aagggttcac acctcctgtc 300
tccaaagtgt ctccctactg agtggttccca ggcagacaat agttcctggg atagtgtctgt 360
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gatatgcttt ttacattcta agaatacaaaa tggctctgta attoccaata gagaaaatag 600
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ccccttagac tcagggagac acccagacca ggaagaaggg cactgatgtt ttcagggacc 2220
caaaagccca cttttttttt tttttttttt tttggaattc gatatcaagc ttatcgatac 2280
cgtcgacctc gag 2293

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<210> 1422

<211> 1660

<212> DNA

<213> Homo sapiens

<400> 1422

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ggccgcggat ggggctggga ggggacggtc ctgccgggag aggcgggagga ggacaggggtg 60
gggttgccggg cccggcgccg cccctcccgg ctccctggctc ccctcgccctg gtgccccgcg 120

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888

```

cctggccggg aggcggcggg tctcgatcgc gcgggcctcc ctggaggggc gcgggctctg 180
gcggcgggga ggcccctgct cagcgcaatg gcgggcttgc atccttgggt gattttttcg 240
ggccccttgt ggcccttctg cagcgctaga gagcaaacca cccgcaccac ccaggagcag 300
ataaaatcga gaccacagcc tscaagggag cgcgcctcca tcctgtttgc ccctcgggtc 360
gccgtctgag ggcgggcccg tgcccgtca gagcctacat ccgagtcgta taaagcgctg 420
acagcagaga aagctgcggc tttgctccgt gcagatgagc aggggctgag ggaggacgct 480
gtgctctcag tagccgcgct tggcccgggg accctgcagg cttagaaacg tgagtcacgc 540
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gcgaaattcc gagcatccgg ttgcatttcc tgaggatgac acgctgggtg ggtgtggacg 720
gcctacaggg gtccatcctc agcggccccct ctgcagggca gagtctcgct ctcactctcc 780
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tggacttcag ggaacattgc agtttgggtc ttggccattg ttactactcc acctgcata 900
rgtgcttgag gatcacacaa ccagatacgt agatcatccg tagatcatcg cagtcacatc 960
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catgacaata tttaatatata atagatttct gtgttgctc cagaatggaa aggggctgtc 1560
tattccttga gctagttggc ttgctaaaga ctattgactt cattcttctt ttcctatcta 1620
cctaataaac cagtgttcat aaaaaaaaaa aaaaaaaaaa 1660

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<210> 1423

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<400> 1423

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ggcagagttg acaccagca gtaagctaac agtggacaca gatactctga ctccttckag 60
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acatcctaac tctgacttct ttggrcagga gggagaaacc cagtttggat tccccaatgc 180
agcaggaaac catggttctc agaaagaaag aaatcttatc actgtgactg gcagctcatt 240
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<210> 1424

889

<211> 3106

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3075)

<223> n equals a,t,g, or c

<400> 1424

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gagaagcaag tgggtggtgga agggcaggag ccagccaact tctggatggc cctgggtggg 300
aaggccccct atgccaacac caagagacta caggaagaaa acctggtcat cccccccgg 360
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890

```

agacctaaag gcaagtatga aatgcatatg ctacttcact ccctctccca acccttaata 1620
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```

<210> 1425

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<400> 1425

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gtcgtctacc gtctcgctat agccgttttaa gggaagaagg aggaaaataa cccggtatcg 60
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gcggggttcg ggggcccgmct ccgcctcttt cgttctctgc tttccccctc cccctcgccg 180
tctctccctc ctcccccca tytcagtgcc gggaaagccg cctgtgctgc gcctggtggg 240
gaaatggttg acgctcatga actgtgtatg tggtttttgt annatctgtc tgtcttgggc 300
ccggttttcg gggggacccc taaaggtgta cctaaagggg aaaaacggtt tt 352

```

<210> 1426

891

<211> 1967

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1956)

<223> n equals a,t,g, or c

<400> 1426

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gttgcaggcc atcccagcca agaaggcccc gctgcagctc ttgagccgcc tctgcgggga 60
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gccctcctcg ccgctgagtg ccgagcagtt ggaccggatc cagaggaaca aggccgcggc 180
cctgtctcaga ctgcgggccc gcaacgtgcc cgtgggcttt ggagagagct ggaagaagca 240
cctcagcggg gagttcggga aaccgtattt tatcaagcta atgggatttg ttgcagaaga 300
aagaaagcat tacactgttt atccaccccc acaccaagtc ttcacctgga cccagatgtg 360
tgacataaaa gatgtgaagg ttgtcatcct gggacaggat ccataatcatg gacctaata 420
agctcacggg ctctgcttta gtgttcaaag gcctgttccg cctccgccc gtttggagaa 480
catttataaa gagttgtcta cagacataga ggattttgtt catcctggcc atggagattt 540
atctgggttg gccaaagcaag gtgttctcct tctcaacgct gtctcacgg ttcgtgccc 600
tcaagccaac tctcataagg agcagggctg ggagcagttc actgatgcag ttgtgtcctg 660
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gggcagtgcc attgatagga agcggcacca tgtactacag acggctcatc cctccccctt 780
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaancccc gggggggg 1967

```

<210> 1427

<211> 879

<212> DNA

<213> Homo sapiens

<400> 1427

```

attccccacc cgagcacctc cacaccggtt ccctcctcca tataatcttc tagagatctt 60

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892

```

aaccagtttc tatcccttac ctgcttttct cttctcttct cctgctccgt tcctcatcca 120
cccctcccca tctggaccat aatagacacc aaaacaaacc caaattggta aaaagaataa 180
tcaaaaagaa gacattatcc ggtaagagt ctgtgctggg tgccacccaa gagagaacag 240
ttgtccagga tgctggctgg tggaacaacc tgctggcccg aaacaaggct gccagggtgtg 300
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ggacagccca tgctgactgg ggacatacac ttgcatcttt gttgaaagca gaagaagaca 420
gaccctttcc ccaccttcc taccctctct tccccatta aggcagctca tccaagcttg 480
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tgtgtagacc ttgatggtag gtgtgacatg ttagtttttc ttacttgcat ttatttaaga 600
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catttagact tatgtggaac tgtacaaatt gtgatgtggc tacatagaaa gccatgtgct 720
aagaataaac tccatttaaa aaacattaaa aatctaagat tcatgtgttt tctaagcttt 780
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tagatagctt gagctggatt cacttggatt ctgacggct 879

```

<210> 1428

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1428

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tgctcatcgc agtccctggac acggggggtcg acccgggggc tccgggcatg cagggttaca 180
ctgatggaaa accaaaaatc gttgatatca ttgatacaac aggaagtggc gatgtgaata 240
ctgctacaga agtagagcca aaggatgggt agattgttgg cttttcagga agagtgttta 300
agattccctg aagctggaca aatccctcag gcaaatatca tattggcata aaaaatggct 360
atgacttcta tcctaaggca ctcaaggaaa ggwtacagaa agaacggaag gaaaaaatct 420
gggaccctgt tcacagartg gcccttgtag aagcctgtag aawacaggaa gratttgatg 480
ttgccaacaa cggctcttct caagcaaata aactaatcaa g 521

```

<210> 1429

<211> 306

<212> DNA

<213> Homo sapiens

<400> 1429

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aagtcactgg gcttagctgg cctctgagcc tgtatgaact cttgttgctg aggcaaccat 60
ggacctgttg ctaggagata gctggggaag cccaaggccg cccagggcag agagaggaga 120
cgaagagttt gggacagtgg gggaggagat gggaagggat gggatttctg ggtcccagag 180
cgggtgggat actcacgcac agcttcttca ctggtggggg gtggggcaca cattatttct 240
cactggtcat gatttacaag aagaaaaata aaactgcttt tggaaccaa aaaaaaaaaa 300
aaaaaa 306

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<210> 1430

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

893

<222> (470)

<223> n equals a,t,g, or c

<400> 1430

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tatagctttt gactagaatg agtcatggga attctaaraa gggatggcct agacattttt 120
agctcagtta aattcagcat ttaatgcagg tgagttcctg ggtcgttttc caactagtct 180
ggaacagtct ggttctgact caaactggta taaagcatta ttttagggtt tctctttgcc 240
agtttttaag cagttataac catgtaaatc aagatgtgag gacatctata tgaagtatag 300
taaagaagtg gtgtcagcag atcaatatgt gtgtcctggg tgtgctgctc tcttaagtga 360
gactttgtga gactatactt taaatgcatt attaccattg cttacatttt gggggatttt 420
cttcctcttc aaaacttcca tttctattgt aatattctta atgacaatcn tttttttttt 480
ttagcagtgt atgtttgaaa cagccaaaga tggcgatgaa ccaagtgtaa attgatctaa 540
gcagcccatg cagtttgtgt tgaatcaaca aacagtgtat tgttgaagtg aaattatttt 600
ctgaaatgac ttgttagacc agttttgagg acatactcaa aagtagagta ataatggctc 660
ctgggatgga gaaatatgag atgaacctgg aacattctat tatggtgcca caaaggaaat 720
ctaaaaaaaa aaaaaaaaaa aaaag                                     745

```

<210> 1431

<211> 931

<212> DNA

<213> Homo sapiens

<400> 1431

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cagccccaat gtccagcctc tttaacatct tctttcctat gccctctctg tggatcccta 60
ctgctggttt ctgccttctc catgctgaga acaaaatcac ctattcactg cttatgcagt 120
cggaagctcc agaagaacaa agagcccaat taccagaacc acattaagtc tccattgttt 180
tgccttgagg tttgagaaga gaattagaga ggtgaggatc tggattttcc tggactaaat 240
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acacagccaa tacaattagt caaaccactg ttattaacag atgtagcaac atgagaaacg 480
cttatgttac aggttacatg agagcaatca tgtaagtcta tatgacttca gaaatgttaa 540
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tgacctatth tattttttcta taatgatcat atattacctt tgtaataaaa cattataayc 660
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ggtctgtttc ttttcggtga tgaaagtctt gagaaggtag taatggataa gatgtgaggg 780
agaggagaga gggagatttg gagtgtaggg tgagtgtccc tcttcttaga actgaatact 840
cttcttctaa tgaacttgta ttcttgtttc catgtcttct tccctttcct tctatagcaa 900
ataaagcatt cactttgttt tggaaaaaaaa a                                     931

```

<210> 1432

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

894

<220>
 <221> misc feature
 <222> (341)
 <223> n equals a,t,g, or c

<400> 1432
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 gtatactaata gagctgcttt ttttctgttg agactatcat tatttgcctt attaccaag 180
 aggcaattac ctgaatttgg atgtctgaat tataacttat gcaggaatag ttctgtaaat 240
 acattttaaata aaactgtaaa gatatttaata aaatatagta ttataactaa aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaa aaaaagggaac 360
 caaa 364

<210> 1433
 <211> 2593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (180)
 <223> n equals a,t,g, or c

<400> 1433
 ccccggtttt aatgccattn aaaatttatg tttgagggtta ccacaacttg ttttaaaaag 60
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 gtttmacatg taccatgtac atgtcattac tatatttcaa tgcacatgc ttgtaacagn 180
 gcattttcatt tataataaga atgagttatt catttgtaag ccgttcagta atttatctac 240
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 gaatgcctta actaccctaa cttgacaaaa cagaattctt tggtagacgc ggtgggggag 360
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 atattaggac tgacaacttc agctcttttg tttagggttt caattatttt tggtaagagt 600
 atgtagcctt atgatctgga tatattttgc attcattttc caacgcctac atttaattcc 660
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 cacaatcttt gtaaagctag attggtggtg ttttatacaa cttattttact cagcttacct 780
 ttttgagaaa cgattgttag aaattgacga tgtgtttgtt ccagtgtatc tgaaagtagt 840
 gggggcaaga attgagtttc acagtggaat tggctttgga tctggcctat agattagtga 900
 cataaaatat tttctctatt ttccctgtt ctttttgtgt tatgcactta attttatgac 960
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 ttactgtgct gtaccacttg gtgggtctga ttctgaacct gatgtgtgtg ttaattatat 1140
 ttttaagcaac acacacacac acacacgcct catgtaatgg acttttataa caaaagaaaa 1200
 aatttggatt tctaattttac aaatggcaaa ttatttatcc ctctctggat gcaccaaaga 1260

895

```

ccagtaaagt ttatagcttt tccatctata ttataaaagc aatactgtat tataaaaaatc 1320
aatattttta tcacatgctt gaaattttta ttttggtgtt ttaaaatgtg cactctaaac 1380
atatcagaac cttatttctt cctatgaact taagctgcct gcgcacaaaa aaaaaaaaaa 1440
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ccagctgctt cactacatca gtttagcttc ctcaaaaatt catcaaaatg gacggacaat 2520
taaattgtaa ttatagaact ttttcccagc tgaggctttg caccttccgt atagtataga 2580
gggaagctac aaa 2593

```

<210> 1434

<211> 1052

<212> DNA

<213> Homo sapiens

<400> 1434

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ggtttttccc gggatacatc tgtgttgagt cactttgcat tcaacagtgc ctgccacca 60
aaatcataca taagaggaaa actaggactg gaagaatatg ctgtctttta cccaccaaat 120
gggtgttatcc cttttcatgg attttcaatg tatgttgcac cactttgttt tctataccat 180
gaaccttcca aattgtatca gatattccgt gagatgtatg tgcgtttttt cttcagactc 240
cattccatct ctctcatcc ttctggtatt gtgtcactct gtctgctgtt tgaaactctt 300
cttcaaactt atcttcccc actcttttat catctacgag aaattggggc tcaaccactt 360
cgcatatcat ttaagtggat ggttcgagct ttctctggat acttagctac agatcagctc 420
ttgcttttat gggatagaat ctaggatac aactctctgg aaattcttgc tgtgctggca 480
gctgccgtgt ttgctttccg agcagtgaac ctgatggagg tgacatcact ggctgcagct 540
gaaaatctag ctgccacag tgaacagttc tgcactgctc ctctattccc tgagctttac 600
agagtccaga tcccatgtac tgctgaactc aggcagaaag aagagtgcag tttattggac 660
tccaaatctc attcaacaga acaaagaagt tgaggttgca aggaagaacc tataatgatg 720
ggtcatggaa tataacctag aaaagaagag aaataaaaga gactgtgttt caccatgttg 780
cccaggctgg tctcgaactt ctgagctcaa gcaatccacc ctctcagcc tccagaagtg 840
ctgggattac aggcattgaga caccaagtcc agccataagg ttcttattct atatatatc 900
gaaatgatat cacttgaagg tagactgtga taagttaaat acgtatattt tttaaatctt 960
caacaacca ctaaaataaa agaacaaaga gttacaacta aaaaaaaaaa aaaaaaact 1020
cgtagggggg gacggcgtac ccaattacgc cc 1052

```

<210> 1435

<211> 665

896

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (385)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (659)
 <223> n equals a,t,g, or c

<400> 1435
 ggcacgagcc gatagctgct tcgggattgg cgtccgggcg gctatctagg ggctgctggg 60
 aagatggcgg actcgggtggc tagccgatga ggaggccgcg gggggaaccc ggcccccg 120
 ccccgagacc gactgaggga gcgacctgcg cagggcccg ggagtcattg tctccatcac 180
 ccaactccat gcttcgagtc ctgctctctg ctcagacctc ccctgctcgg ctgtctggcc 240
 tgctgctgat cctccagta cagccctgct gtttgggggc cagcaaattg ggggaccggc 300
 ctggtggagg aggccccagt gcaggctctg tgcaaggact gcagcggctt ctggaacagg 360
 cgaagagccc tggggagctg ctgcncctggc tgggccaraa ccccgagcaag gtgcgcgccc 420
 amcaytactc ggtggcgctt cgtcgtcttg gccagctctt ggggtctcgg ccacggcccc 480
 ctctgtgga gcaggtcaca ctgcaggact tgagtcagct catcatccga aactgcccc 540
 cctttgacat tcacaccatc cactgtgtgc tgcaccttgc agtcttactt ggctttccat 600
 ytgatgggtc cctggtgtgt gccctggaac aggagccaaa gcttcgcctc cttcgaagnc 660
 acctt 665

<210> 1436
 <211> 1104
 <212> DNA
 <213> Homo sapiens

<400> 1436
 aaagatgggc aacttacggc cggactgggtg ggctacctaa tgttggttaag agttcaacaa 60
 tcaacrccat catgggcaac aagaaagtat ctgtgtctgc cacacctggc cacacraagc 120
 actttcagac tctctatgtg ragcctggcc tctgcctgtg tgactgtcct ggcttggtga 180
 tgccatcttt tgtgtctacc aaggcagaaa tgacttgca cgggaatcctc ccaattgate 240
 agatgagaga tcatgttcct cctgtatcac tagtttgcca gaattattcca agacatgttt 300
 tagragctac ctatggcatt aacatcataa cgcctagaga ggatgaagat cccacccgac 360
 ctccaacatc ggaagaactg ttgacagctt atggatacat gcgaggattc atgacagcgc 420
 atggacagcc agaccagcct cgatctgcgc gctacatcct gaaggactat gtcagtggta 480
 agctgctgta ctgccatcct cctcctggaa gagatcctgt aacttttcag catcaacacc 540
 agcgactcct agagaacaaa atgaacagtg atgaaataaa aatgcagcta ggcagaaata 600
 aaaaagcaaa gcagattgaa aatatcgttg acaaaacttt tttccatcaa gagaatgtga 660
 gggctttgac caaaggagtc caggctgtga tgggttacaa gcccgggagt ggtgtagtga 720
 ctgcatccac tgcgagctct gagaacgggg cggggaagcc ctggaaaaaa catggcaaca 780
 gaaataaaaa agaaaaaagt cgtagactct acaagcacct ggatatgtga ggttgggctg 840
 caacagaaat gtcacttgca ttgtgcagat ggaaaagagc agaagctgcc tgttgccctg 900
 ggaactgtcc caagacacta gcactgtaga acgggccctg ctcttgca gaacggctgc 960
 acccaacagt ctccatgtca agaccaagg cctcctggaa acaccaactc tgacaaaaag 1020
 gagtcatctg ggagcccag aatcctactc ctggccgggc acagtggcac gcaccaacat 1080

897

ggagaaaccc cgtctytact aaaa

1104

<210> 1437

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<400> 1437

```
ccaggtgggt gccctgggtc ttggtgttgt gactggggga ggaggggtgt taggggctgg 60
gggtcacctt atattaacat gaactagagc acacccttgt catggctgga cccaacagta 120
agaggcaaac ccaggggtgtc catgtcccta ggatgtctca gctgtctctg gggccacgag 180
tctcacatga ggactggcgc cccttgtgta caggggcaag agggggccag gtccctgtcc 240
tggccaggct gttagccgca gtaccacag agaccaccgc cctcctctgc tttccccgga 300
gaggggcttg gcttctagca gtcagagcag ggctnttcca aaaggttggg ccttgcccg 359
```

<210> 1438

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1438

```
ggaggccgta cctccgagag gctcggcggt gagccgggta gggccagggt gctgcccttt 60
cacctagggt agtccctggt cgctccgct cttcgcccaa aaggggatgc agctccggga 120
aacaagtgaa ttcattggtat tttacttttt tgggaaatac trgaaatgaa gacctgcaac 180
tgtaatttgr aataaggaaa actttaattt tcrgtataaa aattgctcaa atagaattgc 240
ctgattttta tgacaaaagg tgaattatag tttaatgtac tgcaagtcct aaactacgga 300
tgggaactat tacagtttat aatgtcaaaa acttttctta gaccaaaggt atcttccaca 360
aagtatatgg gagtccacat ttatgtaaga aatgaaacta taaaatgta 409
```

<210> 1439

<211> 404

<212> DNA

<213> Homo sapiens

<400> 1439

```
gtgttgagag cgggtgtggca ggtgtttag cgcctatggt gaagttcgct ttgtagcggc 60
cccggctaga gagttgkyct gttccctgcc tttgtgaccc ggagagcttt tgggaactgg 120
tttgtggcct gtttgattcc tgtcagaggt ttgctgaccc aagacagtat cgaaaatgca 180
tattaagtca attattctag agggattcaa gtcctatgct cagaggaccg aagtcaatgg 240
ttttgacccc ctcttcaatg ctatcactgg cttaaattgg agtgggaaat ccaacatatt 300
ggactccatc tgctttttgc tgggcatctc caacctgtct caggttcggg cttctaaatt 360
tacaagatth tagttttaca aaaatggggc aggccttggt tttta 404
```

<210> 1440

<211> 352

<212> DNA

898

<213> Homo sapiens

<400> 1440

```
aattcggcag agaaattata taaacctgtt gtctctcacc tctacattgg atcacatggg 60
cacctgcctc atggaaatgc ctttttttaa acttcgattt gcagaactcc actattttta 120
tacctagcta cagtttttgag aaagaagaat cagaaccttg acccacttac gggttgctggg 180
acaattcccc ctcccgcctg tattgctgca gtgcccagga cagtaaaatg gactacaagc 240
ggcgyttcct gcttggcggg tccaagcaga aggtgcagca gcacagcaat acccgatgcc 300
tgagctgggc cgagcactga gtgtcccctg gcatccacgg ccaccaytgc cc 352
```

<210> 1441

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 1441

```
ttcggcacga aggagactgt aaacaaagat atttgtgaaa agggaacaat tcagcaaattg 60
ataggaatct ttaaaaatat aataagcaag cctaattgaaa aggaagaagc cattgttttg 120
gaaatccagt ctgatataatt acttatecta tctggcsttt gtgagaatca cattcaaagg 180
aaggaaattt tcggaactga aggagtagat atygttcttc atgtgatgaa aacagacccc 240
aggaagttag agagtggctt aggcataaat gtacttcttt ttagtacatt ggacagcatt 300
tggtgctgta ttttgggatg ttatccctca gaggattatt ttcttgaaaa ggaaggcatt 360
tttctccttt tggatttggt agcattgaac caaaaaaatt ctgtaattcta atacttggga 420
ataatggttg aattttgtga ataattccaa aactgcagct catgtcaatg cttggcaagg 480
gaagaaggat cagacagctg ctagtctttt aatttaaatt gtggaggaaa ggaggaaaaa 540
gaactaggng taaaacg 557
```

<210> 1442

<211> 568

<212> DNA

<213> Homo sapiens

<400> 1442

```
tcaatgttcc attttgcttt taaaagcttc acaagaacat ttcatttatt aaaatagttt 60
ctgtaaactc tttcagaata acaaaattca cttgccttgc ttaaacagca tttcaagtag 120
aagtattttt atttcaaggc accataaaat gatgatctct ctaagaaata cctctccttc 180
cgtgtgtgaa aatccttggg ggaaaaaaaa tcccacacgg tgttcttggc catcaggatc 240
atgaaaacaa acttttggga atgtgagcaa ctgcgccaga caggacacag gttacagggc 300
ctgacgtcac taacggtaac tgacaatctt ggaatggacc ctactgctga tgtttcaaaa 360
ggacacagag gtgaactggt cacttctaata taagaagagc cagtgggggtg ggggaagctg 420
aaaaccaaaa atccacgtag acatacgtgg cagtgtgaac gtctgtcctc cccttccttc 480
tcctcacttc ctctcctcct cctcactcag gctgggtatc tcctgggtgtg cggatgtcag 540
cttgccctgc agaagcctct gccgaatt 568
```

<210> 1443

<211> 654

899

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (547)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 1443

```
cctcataagg gnncaaagct ggagctccac cgcgggtggcg gccgctctag aactagtgga 60
tcccccgggc tgcaggaatt cggcacgagg tttgcttcaa aagggnata ttatactctc 120
tctagtaatc caaaggtatt cctaattttg ccactnctca ttttcgcttc tctttaaggg 180
ccttatagta tgttctaatt tctcatttgg tagtatgcaa cattcaatat ttctagctct 240
aaagttccat cattaattat ttcttttttt cttttttttt tctttttttg agactccatc 300
tcaaaaaaaaa aaaaaaagca aaattgttgg catctctaag acagagcaag actccctctc 360
taagagatag tagtgtctcc cacttaattg aattcgtttt gttttgtttg ctttgctttg 420
attcttgcca cgtaaaatct gtgggtcttg accagagatt tgctcagaca gttaaggaaa 480
aataatgaag atgtatttgt gaaattttta cataatgaaa aatgagatgt atttgtgaaa 540
atttttangna taaacctctt tataaaatac gtttgtaaaa tataaaagag gtaggatgtt 600
ttgggctaaa tttagccaca ttctgggggtc catacacaca cacacacaaa cagg      654
```

<210> 1444

<211> 899

<212> DNA

<213> Homo sapiens

900

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<400> 1444
gtcttattga actggataat ccaatattat ggataacaatg tcatacagta ttatggaggc 60
atatgtgtaa ttatcantat aaataataact ggagaaattt ccggacgtca gaagtcggaa 120
atggctctca ctgagttcaa atcaaggtgt tgggaaggct ccactccttt ggggggctgt 180
ggaggaggat ccatttcttt gccttcccca acttatggac tctgcattcc ctggcttggtg 240
gccccttcct ccattctcaa agccagcagc gtagttcttc ccattctcct catattcctc 300
taacgctgac ctgccttcct cttacgaaga ccctggcatg acatcgggcc accagataat 360
ccagcctgag caacagagcg agactttgtc tcagaaaaaa aaaaatcagc ttataataag 420
tgccataaag aaaataaaac tgggagacat gnaagagact gactagggtg gtagtctaac 480
agatggggca gtcaggaagt ctycctgag gaggtgacat ctgagctgag atctgaatga 540
aggataggat ccasccacag attgatctgg gggagaggca ttctaggcag aagacgtggc 600
tagtgcaaag gtcctgaggt aggaatgcac ttggcatgtt caaagaacac agagtcggtg 660
tggctggagc agagcaagtg aggaagagga ctgggagatg aatcaggaag gtgccggggc 720
ttgtaggctc agatgaggaa tttgaggact cttggtgctg agggaagaac gtgaaggaga 780
tgattgatca gggctgactt ctccggagaa ccactgggct ggtatggagg cagcatgaga 840
ttccgagtgg tcaactcaga ggcgagaatc agcaaccca gcatcaactt cagttcgtt 899

<210> 1445
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<400> 1445
ggcacgagca gagatagggt ttttggaggg ctccctctggg aaatggcccg acagcattct 60
naggttgtgc atgaccagca gatactatcc tgttggtgtg ccctgggggtg ccattggctgc 120
tattcgctgt agattaggct acataaaatg ggctgagggt acctgttttg ggagatgggg 180
tggcctgcag tgacacagaa aggaagaaac tagcgggtgt cttttaggcg ttttctggct 240
tgacggcttc tctctttttt taaatcacc caccacata aatctcaaat cctatgttgc 300
tacaaggggt catccatcat ttcccaagca gacggaatgc ctnatttaat tgaaagttag 360
tgttc 365

901

<210> 1446
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<400> 1446
aaaaaaagaa aaaagaaatt tgtgaagttc tactgctcta gttatgcagg gtggcaggat 60
ggcattggta aattgacttg aagtgagaaa aaataatttc tggttttatt ctaagtattt 120
aaaactgtaa attcataacc atgattcatg attttgnatt acaagtctta tgaattctta 180
gaacttcaga agtggccggg tgtggtggct cacactgtaa atcctggcac tttgggaggc 240
caaggtaggc ggaccacctg aggtccagaa gtttgagacc agcctggcca tcgtggtgga 300
aaccctcatc ttctacttaa ggnatacaaa aacttaattn ggggtattggt ggtggcacat 360
gcccgtaaat ccccgag 376

<210> 1447
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 1447
aattcggcag agctgagatg aggaagtata tatttgggta tcattttttac atcctgttga 60
aagctccagg aagagtgggc caattctaag ctgttcattt acagagaagt tgctctcacc 120
tttttctttc cttctaaatg aactttggag ccctgatctt ctttgtaagg gacaaccaga 180
ccctcctttc atgcattccc cttcagagtc gctgctagtt gcctgggctcg agtgragtgg 240
catttttgaa ttttgccgc ttcagctgtc ttgggggacct ngggggcgggc tcccacctct 300
ttt 303

<210> 1448
<211> 525
<212> DNA
<213> Homo sapiens

902

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<400> 1448
ggcacgaggg cgtgagcact gcacccagcc aaaaatttta catcttttat agagggaaaa 60
aaactcttta taccatggca aggccttttc ttccacaaaa agctgggcct actgaacaat 120
tcaagctgtg cagtagtaga ctgaaagcag gatttggtga ggagttacag ctctgtcca 180
gagcaaatcc tgtagtgata caaggagaat gttaaacttg cagcttagac agggatcagt 240
cctgagactg ctggcagtag caaatggcta ttagagtaac tgtataatgg ttttgccctgc 300
actttctcta tgtatatata aatgtacatg tataaatata aaaattaagk gatcatgggt 360
cttggttaacc tgtcccaagt gctgkgattc acacgcctga cactaaaagg ttcttccctgg 420
tccagtcagc cagctgtrac caccagcagc acagctgagt gctgagaatc tggctggaaa 480
ragaaatgtg gctcaagtgc tggctcacct nctagctgtg tnggg 525

<210> 1449
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 1449
ttaccattgg aatttaattt aagacaaatt tagtgtgaac agtgaattta tttaagacaa 60
anccttaaag attttagtaa taatgacctt agttttttca tgatgggccc ttaccacaa 120
aacctgcttt ggcatttggg taaccagac ctcatgctgg gttaaagtat atagatataa 180
cagtaattca gatttaaatgc atatcttggg ttgggactga ctgaggaacc tcttgtttta 240
aagtgatatt tagtataatc ataacgtttg atccttttgg gtaaaatagt agctgacaaa 300
aaataaatac aaattaattt tcatgctcat ctttacctga aagactcaga tttctcttta 360
agccagctca ggaatattag gctaaaccca gctgttttgc agatgttctt actcagattg 420
aaacatcaat taattaacag gtatctattc atatttaact agaaccctgc taatgtagag 480
aaataatact tttttaggag atcttttttc agttctctct aaaatgtcat tttatataaa 540
tttctcttat atttttataa gattgtatac taggattgag gatgtatagg tacatattta 600
taggatgcta tcaatttgg 619

<210> 1450
<211> 316
<212> DNA
<213> Homo sapiens

<220>

903

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<400> 1450

```
ccntgnagta gctgggacta caggcacacg ccaccatgcc cagctcattt ttgtattttt 60
agtagagatg gggtttcacc atgttggcca ggatggctcc atctcttgac cttgtgatcc 120
gcccgactcg gcctcccaaa atgctgggat tacaggcgtr agcatncaag tctggcgaga 180
garattgttt ctagatgagg gtgggggcgg gtgtccttag cccaaagctt gtgccagtct 240
ctatcagaaa taaatgcccc caaaacctca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaa                                     316
```

<210> 1451

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<400> 1451

```
ctcaaatgaa ggtttgcagt ctgtctaata aaaggatggg gcgtantgcn taaaatcaaa 60
agatttggtt aaacaaagggt acttattttgc aaaagctggc taccctctaa gaaggtctca 120
gtctttacca accaccttat tgagcccagt aagggttgn tcctctgtca atgttcgatt 180
```


904

```

atctccagga aaagagacca gatgcagccc accttccttc acctataagt acacacctga 240
agaggagcag gaattggaaa agcgggtgat ggaacatgat ggtcagtctt tagttaaatc 300
gaccattttc atctctccat catctgtgaa gaaagaagaa gccccccaga gtnaggcgcc 360
gcggg                                           365

```

<210> 1452

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1452

```

caagtcgaac ggtaacagga agaagcttgc ttctttgctg acgagtggcg gacgggtgag 60
taatgtctgg gaaactgcct gatggagggg gataactact ggaaacggta gctaataccg 120
cataacgtcg caagaccaa gagggggacc ttcgggcctc ttgccatcgg atgtgcccag 180
atgggattar ctwgtwggg gggtaacggc tcaccwaggc gacgatecct agctgggtctg 240
agaggatgac cagccacact ggaactgaga cagggtccag actcctacgg gaggccagca 300
gtggggaata ttgcacaatg ggcgcaactg atgcagccat gccgcgtgta tgaagaaggc 360
cttcgggttg taaagtactt tcagcgggga ggaaggaggt aaagttaata cctttgctca 420
ttgacgttac ccgcagaaga agcaccggct aactccgtgc cagcagccgc ggtaatacgg 480
aggtgcaag ckttaatcgg aattactggg cgtaaagcgc acgcaggcgg tttgttaagt 540
cagatgtgaa atccccggg tcaacctggg aactgcatct gatactggca agcttgagtc 600
tcgtagaggg ggtagaattc caggtgtagc ggtgaaatgc gtaragatct gggaggaata 660
ccggtggcga agcggcccc tggacgaaga ctgacgtcga ggtgcgaaac gtgggggagc 720
aaacaggatt tagataccct ggttattcca cgccgttaaa cgatgttcga 770

```

<210> 1453

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<400> 1453

```

agcctttctg ctctgaact aaaatcccta gccaaagacct tccacttggg gaatcccaat 60
ggacagaaac agcagctggg ggacgccttt ctcaaattgg ccaaacagcg ttcagtctgc 120
acttggggca agaataagcc tggaattggg gcagtgattt taaaaagggt ttgttggtca 180
ttgttacagt aaaaacattt aaaatgttga tagcacatat taacttacag tagrttgat 240
ayttgattga actgtaattg tttatttcag ttgtagttag attgagaagg ctggaaaagc 300

```

905

```

cttaattgca atagcckgga ttctttcttg gggtattatt caaaattttt gtcgtaatac 360
cgtactaatt tccmggacca agaaaaatcg garggcaata ggcctttggg aaattgtagt 420
attttatttt cccgagaaaa atacagtttt aagtgatcct tatgggattt ttaagggttaa 480
ctatttagtc ccaattttta ttttagtttt gggttactna aacnaattat atccggcgtc 540
cttaagttgc aatttttnccc cg                                     562

```

<210> 1454

<211> 1767

<212> DNA

<213> Homo sapiens

<400> 1454

```

aggccaagca tgcaggcagg cttgtaacaa actccttggc caggagctct gagaatttagc 60
ttcacttccc tcagaaaatgc cccaattccc tcctggaaga ggagctgtgt gacastcagg 120
ccaggggggtc gggactcccc ccactctctc cgcacacaca tacccttgca cacataccca 180
gccacgtaca gctgggtggc tgtasgcaag tcatttttct actctgagcc tcaggggtctt 240
cctctgtcca cctcccccca ggattamtgg cagaattagg tgtgagcttg catttaaaaa 300
gagggttgtt ttgtaaaccc aggcctttgca aattggcagc ccaagtctca ggggcctgtg 360
cagtgcactga tcattaccaa catttcgaag tgagagatgt cacataaaga gcgtcatttc 420
gagcttctct tgaaaagttg taaggtgagc taccctggga ctgtattcct gaatggcaat 480
gtgatggcag agtcctgcag tattaccacc tgwggaactg tgcaccaggt tcccaccac 540
ccacttcagg cccttggttc agggatgtgc ccgtcatgga aatamcaggt gctgtggctc 600
tgctgggttt ggctttcctt ctctgtaacc ttccaatata tttctccttc cagggtactgt 660
aaaccactta gtaattaatt agttaataaa ttcatctcat cagcactttt aaataatgtg 720
ctaggccaca ctgtcatgga cccagatat acagcagcaa acaaagcagc catggtacct 780
tccctcaggg agcagtcagt ccagtggagg agtcagatat gactcaccac acagatcgaa 840
aaatctycac aaattatgag agaagtgtg agggaagaaa gaacataggt ggaccgctgc 900
tgagtccagg cttacttgca gagatctatg ctggccaggc cctgtgctag gcagcagagg 960
acatggaata aaatcaaata aggtcactgt gtgcaggact cacggtgtgg taaaggagca 1020
gccccatcca caggttctat taattccagc ctgtgagaat tggaaccaca ggggtgaattt 1080
tggaggacag gcacttacac taatctggaa gcataatata taaagagtac ctacaaatca 1140
ataaaaaaaaa tagaaaaaaaa aagagcaaag tatatgaaca gaaaattcaa tgaaaaggaa 1200
atagaaatgg ctcttaaattg aatgaaaaca tactctcact cararaaatg aaaatttaac 1260
ccatgtcaar aactttgggg tgaagggaag gtttttaaat tcgattgtgg tgatggttat 1320
aaccctataa atttactaaa acttattgaa gtgtaccttt aaaacaaatg aactttatag 1380
tatgtcagtt atatcacaat aaggctattt taaaaataaa aacactttga gataccattt 1440
tatacctgtt ggtattagca aatgtcaaaa cactggataa tgcattatgt tcctaaaggc 1500
atgggggaga cggcctgggg caagcgtcca ctgatgcatt cttgggttgg ggtgggcaac 1560
aggacgctgt caaacataca aatacattta cgctytagac tgggaattcc actcatagga 1620
cttcatctga tatatatgct ttacatctga aaaatgtata aggaaattca ccacagcctc 1680
atagattatg gcaaaagttt ggaaacaaaa gatgtttgtc tacaggtgaa argttatgcc 1740
actgtcaaaa aaaaaaaaaa gtcgagc                                     1767

```

<210> 1455

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (112)

906

<223> n equals a,t,g, or c

<400> 1455

```

gtttttgttgg ctccgttcct gaggtgacac ccggttcacc ccacgtgtta aacccccgagc 60
cgcggggctgc cctgtgctgg atattgccta catccagcag ccctctgagg gnatgggttc 120
tggcctgcct ccgttgccag ggtcctcact ggtgtgacca accatytggc ttttaacact 180
aaaaagcccc acatcctgag gaatcccagg acacagaaaag tcctggggtt tgtcagtgat 240
gcagaagggtt ggggtggaaag tatgaaaccc acacagaggg atgacagcac catttgtagc 300
atcggatgga aatggcgctgg atgatctgcc tcgagtggtc actgtcgcca tgttgacctga 360
cgtggatgct ggcacacagga cttgtgattc accatggatc 400

```

<210> 1456

<211> 1012

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<400> 1456

```

tntgtggcag aaaaatatgt tttccaggta gtttttacta ctacagagag tctgtaaata 60
agtgccttaa aaaaataaca aaccaataag atatttgyt cctatataaa cattctgtgt 120
atttagcact tggaaaatca acaaatccag aatttaaaaa aatgccacag acttttcaaa 180
gccccactgt acttttttga gaattgtccg tacctactaa tatgccttat tcttcttcac 240
ctagtgtttt aaaagtcctg ggtagaaaaga gtttttagaaa tgtaatcagt tgttcagctt 300
caataatata gagatctaac atagtcagtc ctcaggcccc cttaaagaaac aagcaagaaa 360
gtgagggcca tctactaggt tggctttggg gaggggaaaa ctaaggactg cttttgccaa 420
atgatatttt tgataatgta aggaaacaca gggaccacaa aacctttttt tttttttaag 480
tgtgaaagat tagtgctttt tggcatactt ttgatttttag aggatatagt atcggcattg 540
acaaatcacg tagaaacaaa gaatgctata gatgacaaca gtattaaatg ttactcctga 600
ttctgcagaa cagcttttga agatactggg gggatatctt aagcctcaga gcagcttggt 660
tcagatagaa attctctatg ggttgaaatg ccaaaaacag aaaacatgat gttgactcat 720
gtaatttagt ccatttttagc agagccttta gtgttaacac cagtggcgag gagcattgca 780
tattctctgt cagcagcagc actcccacac caggtgggtt tgggctctct gtaggctggg 840
cctagtaggt gacacccagc aacacccctg ttggacagga ttgattgttc gcagtcttag 900
accaacactt cagtcagaaa tgttactggg aggaggaaag gaaaatactt tttttcctcc 960
atgtggaaat gaggagagag gaaagtggat tggaaaacca aaatgtgagt ca 1012

```

<210> 1457

<211> 637

<212> DNA

<213> Homo sapiens

<400> 1457

```

ggttttcatt gacactcttc cctcctccca cctgccacca ggccctacca aagcccactg 60
ccatggggcc atctgggcca ttcagagact ggagtgagat ttgggtgtgg agggggaggc 120
gccaagggtg aggagcttcc cactccagga ctggtgatga aaggacaga ttgaggagga 180
agtgggctct gaggtgcag ggctggaagt ccttgcccac ttcccactct cctgcccaca 240
tctatctagt acttcccagg caaataggcc cctttgagga tcctgagtgc cctcagatgg 300

```

907

```
tcaaaaccca gttttccctc tgggagccta aaccaggctg catcggaggc caggacccgg 360
atcattcact gtgataccct gccctccaga ggggtgcgctc agagacacgg gcaagcatgc 420
ctcttccctt ccctggagag aaagtgtgtg atttctctcc cacctccttc ccccaccag 480
acctttgctg ggcctaaagg tcttgcccat ggggacgccc tcagtctagg gatctggcca 540
cagactccct cctgtgaacc aacacagaca cccaagcaga gcaatcagtt agtgaattga 600
atggaaataa acgctttagt tataaaaaaa aaaaaaa 637
```

<210> 1458

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

<400> 1458

```
cnaccctcac taagggacaa agctggngct ccaccgcggt ggcgggcgct ctagaactag 60
tggatcccc gggtgcagg aattcggcac gagtcttttc agactcagcc cacttgcacc 120
caagtraatt aacagccttg ttgctcacac aaagcctggt taggtggtct tctataygga 180
catgcktgac acttggtgcc aaaatctggg ccagggggac tccttygtga gaccggcccc 240
ctgtcctggc cctcaytccg tgaagagatc cacctgcgac ctcgggtcct cagaccagcc 300
caaggaacat ctcaccaatt tcaaatecga tctcctcggc ttagtggttg aagactgatg 360
ctgcccgatc gcctcagaag ccccytgga ccatcacagat gccgagcttc gggtramtct 420
tacggtggag gattcccagc catatgaaga camcttagyt ggacgwtcac ccttgtcaaa 480
agtctgaccc ytcaaaytyt acagcytcaa tgggaccaga cctaccgggc atttttagna 540
ca 542
```

<210> 1459

<211> 531

<212> DNA

<213> Homo sapiens

<400> 1459

```
atatccgact cactataggg aaagctggta cgcctgcagg taccgggtccg gaattcccgg 60
gtcgacccac gcgtccggaa tcctaggcct aagattcttc atgtaaaaat tataagactg 120
aataaagaat cttaggccta ggaggagaaa atgattttct ttctattacc taactagatt 180
ggggcatatt tctgataaag acccacctct agtgagattc atcttttttg tttgtgtgac 240
tatattccat agagaagaaa gatgggatag ctcaacttca ttatatacca aagcaaaaca 300
catgccaaat gatgactaca ttttaccac atatttagag gagtattctt gactagtgtt 360
```

908

tactatctat acccccaaaa ctactactat atagacagaa tggaaagtat ttctatttgt 420
ccttttttttg ttttctgttc taattgtcag ggacatatgt agtgggtata ggtttactta 480
aaaggaataa atttggaatg ctcmaaaaaa aaaaaaaaaa aaaaaaaaaa a 531

<210> 1460
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1460
tattcacgtc cccaggetca ttcttcagcc tcaggaggaa ttagaaggtc ttcattctatg 60
tcttatgttg atggcttcat agggacatgg cccaaagaga aaagatcatc agtgcattggc 120
gtatcatttg atatttcttt tgataaagaa gatagtgtac agagatccac tccaaaccga 180
ggaatcactc gttctattag taatgaagga cttactctga acaacagtca tgtatctaaa 240
cacattagga aaaatttgtc cttcaagcca ataatggag aagaggaagc agagagcatt 300
gaagaagaac ttaatataga ttctcacagt gacctcaaat cttgtgtgcc ccttaacaca 360
aatgaactaa attctaata gaataattcat tacaagcttc caaatggagc tttacaaaat 420
agaatacttc ttgacgagtt tggcaatcag atcgagacac caagcattga agaagcatta 480
caaataattc atgatactgn naaatctcct catacacctc agccagacca aattgctaata 540
ggcttctttc ttcattagtca aggaatgagt atcttaaaatt canatatcaa gttaaataca 600
tctagtc 607

<210> 1461
<211> 121
<212> DNA
<213> Homo sapiens

<400> 1461
caggaaggat aagccatgtg gggctctagaa ctgaggggtc tagacttcca gccagtgct 60
ctctctgtc taccatgttg cctctagtgt gagagacagg gcagaagtga tggtaaagaa 120
g 121

<210> 1462
<211> 706
<212> DNA
<213> Homo sapiens

909

<220>
 <221> misc feature
 <222> (682)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (699)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (702)
 <223> n equals a,t,g, or c

<400> 1462
 gctgtcacag gccatggatg ctccatggag ggggtggtag catatgaata acaatcaaga 60
 gaaacatcgg taatggacag gaggcacaa taaacaatgt ccaccctcct ctaaaaccca 120
 ggaaagttct cattcaaaaag acgatgtctt gaaggaaacm taggtacaaa tctttgtgay 180
 tttggattag acatttttta agtaggcaca aacaaccgaa aaatagataa atggacttca 240
 ttaaaataaaa aaacttgtat gcttcaaagg aactgtcaa ggaagtgaag agataatcca 300
 cataatggga gaactatttc caaattgtat gtttgacaca ggtctagtac ctagagtrta 360
 taaggaattc atataactga gcaataaacg acaaccacat ttaacaatgg ggaaaaaaag 420
 ctgtgagtag aggtttctct aaaggaaaca cacaatggc caagaagcac atgcaaagat 480
 gttcaatgtt tttcgtcatt aggaaaaatgt aaatttaaac caaatgaga taccacttca 540
 maccagcag tatgacttaa gaaaaaaatw aagacmacac atgtttcaaa agtgatggag 600
 aatatggaat tctcatatat tactattggg gaatctaaaa tgatrtagct ctgaagttag 660
 taaacagtgt gtgagttcct tnaaaaatgt aaaccttana gngggcc 706

<210> 1463
 <211> 1765
 <212> DNA
 <213> Homo sapiens

<400> 1463
 gagaaaacaa ttctgaccgg agaatgctgt tacctgaacc cttacttcg aaggatcata 60
 agattcacag ggggtgttgc atttggactt tttgctactg acatttttgt aaacgccgga 120
 caagtggtea ctgggcactt aacgccatac ttcttgactg tgtgcaagcc aaactacacc 180
 agtgcagact gcyaaagcga ccaccagttt ataaacaatg ggaacatttg tactggggac 240
 cgggaagtra tagaaaaggc tcggagatcc tttccctcca aacacgstgc tctgagcatt 300
 tactccgcct tatatgccac gatgtatatt acaagcaca tcaagacgar gagcagtcga 360
 ctggccaagc cgggtgctgt cctcggaaact ctytgacag ctttctgac aggcctcaac 420
 cgggtctctg agtatcggaa cactgctcgt gacgtgattg ctggtttcat cctgggcact 480
 gcagtggccc tgtttctggg aatgtgtgtg gttcataact ttaaaggaac gcaaggatct 540
 ctttccaaac ccaagcctga ggatccccgt ggagtacccc taatggcttt cccaaggata 600
 gaaagccctc tggaaacctt aagtgcacag aatcactctg cgtccatgac cgaagttacc 660
 tgagacgact gatgtgtcac aagctgtttt ttaaaatcat cttccaattc tatacttcaa 720
 aacacacagt tgctcaatgt caaactgtga tgacaaaat tacgtttatc tagttagaag 780
 ctaatgtttt gtacattttt tgtatgagga agtgatgtag cttgccctga tttttttttt 840
 tttttttttt gtcagcttta atatatttat gccagaattt taaaaccaac aaaattttct 900

910

```

tgttcaagcg tgcattgaag aaccacattt attcaatggg tgayggtggt ttgtgatatt 960
tgtacacaaa ttttcttttc tcagttttat aaacacagaa tataacaatt cactttaaac 1020
ttttattacc acagttgctg cctcctccag aatttttgaa ttttaataaa aggcaaactt 1080
ttgagctgca ggaaggacaa tgttgggttaa taataaatct caaagtcaat tgtagaaaaa 1140
aaattgtctt caaaaagaat gttgcaactt gatctcttaa caaattgtta cgttcaaagt 1200
ttaaagtgat atattaacar agtcacctag ttatacaaac aattgtcaga gaattctgga 1260
tttggagggg attgggggta tatgattctt tcttagataa tggcctctac taaataactc 1320
aagatctttc tggaaatgtc tctggcaggc aggtgccact gtcagctttt ctccaaaaag 1380
cagccaacat cagcctcccc tgtcaactca acagttttgt atctcatatt atatggactt 1440
tatatgaaaa tgaatatttt acagtttgca cagtattatt ttacagaaaa ggaatcagag 1500
aatctacaac ataggggccc agaacaacag tttcactttg tggcttttaa ttattctaga 1560
attttaactg catctcattt ttctagcatg gtgagaacta atatgtaact cctttgattg 1620
aaggagctct tttgtccgta cctatcagaa tgttttcttg acacttccat gttggctctt 1680
ctcagctttt tttgtacata tttttttttt ctaaagagaa gaaaaagtta tcacaaaatg 1740
taaaaaaaaa aaaaaaaaaa aaaaaa                                     1765

```

<210> 1464

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1464

```

ggaaaacctt tagacttttt ttagcaatta gtttgacatt cgctactata gtaaccaagc 60
actcattata tatgcatcct ccaaagtgtt catgcttatt tataggaaag ttatattaat 120
gagattaata atgtgaaata cagttttcct gcaaaattag cattagagaa ttgatttttag 180
ataacagatt tttaaagttt tagagaaaag tacagtaata cagtaaaactg aargagtata 240
tagatagcaa taaaataaca taagtggaca tgtttatagt aaatactctg aagtaaacam 300
ccgtttttat taactgcatc tcattaggga aagtttatat gtcttggtat tttttattaa 360
cattttatth accattcaga gtgaaaatta ctaatttgrg tattaacaaw taactgrata 420
aatgggtcatt acagtttaggt tttcccaaatt tgcmaaattt gccttaggca ttatc 475

```

<210> 1465

<211> 198

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<400> 1465

```

tggcaggggc actggccccg cccgcacctt cctagcagcn agttacccaa gaggaagctg 60
ccttgggscct ccagaccgtt aaatgccaac tcctggcctt cgggtatcagg ctggggttgac 120
ctgacctggc cccttcttgc tgggccctgc agctttctaa cttgccgggn ggagcagtga 180
cacccgcccc acatgttg                                     198

```

911

<210> 1466
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 1466
gtggcagagt gccctgcggg actgccagcc cctcctgtcc tccctcagca acctggcgga 60
acagctgcag gccgcacaga acctgcgggt tgaggatgtg ccggcgcttc gggccttccc 120
agatttaaaa gagcggctga ggcgtaanag ctgggtggctg gtgacatcgt cctggacaag 180
ctaggggaaa ggctagccat cctcctcaag gtgcgagaca tggtcagcag ccatgtggag 240
cgagtgtttc agatctatga gcaacacgca gacacagttg gcattgatgc tgtcctgcag 300
ccttcagcag tgagccccctc tgtggctgac atgttggaat ggttgcagga tattgagaga 360
cattatcgaa agtcgtacct gaagagaaaag tatcttcttt cgtctatcca gtggggagac 420
ttggcaaaaca tacaagcttt gcccaaggcc tgggaccgaa tttcaaaaga cgaacaccaa 480
gatcttgtac aagatatact attgaatgtt tccc 514

<210> 1467
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

912

<400> 1467

```

ggcctntatt ngaaagtcca tcnggttcct aacagngctt cctctttcca gggctctcca 60
tggcgtgcgg aacttcccag ggnaacgtga aacctgtccg cagtccytgc ccytgccctt 120
tctttkggag acgtgtgaaw gagcmgcasc cactttaatg tgaggccasc catataaaca 180
atraactttc acttscgcm ggaggtcata aactcaggtc accaaagaat tctagcttca 240
gctcttggtt tagtaatgta ccaagtttgg tattactttt tgtttgtttt aatcaggttt 300
ctgccctcat ctcttatttg ggaaattaaa actgggtctgt tggcatggct ggtgactgag 360
cggcaggcac attcttagtc tctgactttc tgcagccatc tttgagtgc tataagtgtt 420
gggtaacagt ctactgaatg tgctacaagt gtgcggagtt gtgttcattt ttaacttggt 480
ttttttaaaa aacactctct tggtaaatgt ggatctcctg ttgaaaactg tatttgtttg 540
gcagttgagt ttatgcctgg agcccctaga gcacatttaa ctggttggtg gtcagttgta 600
ccatactgaa aaaaaaaaaa aaaaaaaaaa tggggggggc cgaccccat 649

```

<210> 1468

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<400> 1468

```

tccagtatatt tcgggggctg gtggacgcgt gggcgatagg gtgctgtcct tggggtgctg 60
tgtatatggg atgatgacgc ttatcagcay tatctagtc tttccacccc gaaattcgcc 120
ccgattaaag actgwgttgc attatcagggt aatgagatgt gagggaggggt ctttgaaagt 180
ggaaaacctg ggcgtcgagg ccactgtgcc atcttgggnc ctcagtttcc ttatctgtga 240
aatgaggggt aatgtaaagc tgctatgtaa aatgtaaagc tctacataaa ccactctctg 300
cattactttg gatatatgag aatattaacg tttgacgtct acgagactag atcccattcg 360
agcatcacct ccataacct tacagactaa cccctctttt aaatctcagt ggttcgtaat 420
cttacagact aacccctctt ttatgtctca gtgggtcttg agctggcctt tgttcatta 479

```

<210> 1469

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 1469

```

gtatccggat gggctcattt tatatgtggt ttaaactctg agctagaagg caacactact 60
ttcttgtgaa gcacaccatc tgtccttggc cctagggagc tcctgccgtc ggctactggg 120
tcccctgatg cacccttttc aacagacttt tcatitttgg gtacgtstctg acttcctggc 180
actgcagggt gctccagcct cctcttgcct tccctgccct ggcccgggaa tcagccccctt 240
ctccaaggag ccccggttcc ttttattggc aagtcttaag agagtgaggc ctgggtgcca 300
ggcagggagc cccaggtcct tttattggga agtcttagag agtgaggcct gggtgccagg 360

```

913

tgggtgccag gtgggtncgg tgctgctggg atgttgtca

399

<210> 1470

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1470

```

ttaaccctca ctaaaggga caaaagctgg ggctccaccg cggtgacggc cgctctagaa 60
ctagtggatc ccccggtg caggaattcg gcacgaggac tagtccgagt tttttttttt 120
ttttttttta aaacaaatac ttttattgca catttataaa atctgcatag ttgtatcaat 180
ttttttccct ttcatgattc cattaatctt taaaatttgg ttaaaacaca atatccaatc 240
agaagccttt taaaaatgat caatgggaag tatttttctc tacatatata tatatatata 300
gttttgcata tgtatgctgg tttttttttt tttttttttt gtacaaacc acatccctta 360
cttttaaggg caaaaaagaa ggcsgggtac gatgacttgt ctgcaatccc agactttggg 420
aggctgaggg aggcagatag atcacttgag gccaggagtt 460

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<210> 1471

<211> 2007

<212> DNA

<213> Homo sapiens

<400> 1471

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tacattggaa caagaacaag aagcactagt taatcgctc tggaaaagga tggataagct 60
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gcctagagat atctccatgg agattgattc tccagaaaa atgatgcgtc acatcagggt 180
tttaagaat gaagtggaa ggctgaagaa gcaactgaga gctgctcagt tacagcattc 240
agagaaaaatg gcacagtatc tggaggagga acgtcacatg agagaagaga acttgagggt 300
ccagaggaag ctgcagaggg agatggagag aagagaagcc ctytgtcgac agctctccga 360
gagtgagtc agcttagaaa tggacgacga aaggatattt aatgagatgt ctgcacaagg 420
attaagacct cgcactgtgt ccagcccgat cccttacaca ccttctccga gttcaagcag 480
gcctatatca cctggtctat catatgcaag tcacacgggt ggtttcacgc caccaacttc 540
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aacatcccat ggtatcacaa ggcccttcacc acggagaagc aacagtcctg acaaattcaa 660
acggcccacg ccgcctccat ctcccaacac acagacccca gtccagccac ctccrctcc 720
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catgagtcga taaatgttgt cctactcacc ggtggtttca atggctaatt agaatgtgtt 1620
atttgatttc tgctgcagaa ggcagtgatg ttgtaaacaa aacaatgcgg cttccccctt 1680

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914

```

tcgtacttca tttgtgttct cttaaaatag agtttgaaca aatattttta aggtgcaaaa 1740
taccattaga aaatactatt tgaaatggac attatcgcat tatcttggca taatggccag 1800
aaaatattgt attgcttggc agaaaagaaa ataaggtcta aaggaaagta gcacattagc 1860
attgatggct gttcatttca ccaggtataa gcaagtgcag tgtacaaaga agtatattct 1920
gaatacatta tttccattca ttttagcaca ataaatcatt tggtttcact ttgmagtggg 1980
aaaaaaaaa aaaaaaaaaa aaaaaaa 2007

```

<210> 1472

<211> 400

<212> DNA

<213> Homo sapiens

<400> 1472

```

acagagcaag actccatctc aaaaaaaaaa aaaaaagact taacagagca tttcacgggg 60
aaggggccatg aggggaacatc accygggtga tggtaacatt ctgtatcttg ataaggattt 120
gagttatata agtatataca tctgtcaaaa ttcaaagaat gtacactcaa gatctgtgca 180
tttcattata tgtaaattgtt acmttaaaat gttgtaaaca aatattgaac aaatatacgc 240
atgctaaagt atttaagagg aagtactggt gtctgcaaaa caaaaatttt ttttccattt 300
tctgtggtaa aatatacata atataaatgt attattttta gtgtacaatt cagtggcatt 360
aaatacactc agaaagttrm aaamaaaaaa aaaaaatttc 400

```

<210> 1473

<211> 1278

<212> DNA

<213> Homo sapiens

<400> 1473

```

tcgacccacg cgtccgcatg gagcacctgg agtgttctgt ctggaatgct ggctggggagc 60
cttctccttg catttgaacg aggggcagct gtgtcctctg tttgccgtgt aaagaaaaga 120
ggacagagct cagaggagat gaacccagc agaaaggggt gcttgaccag caggagagaa 180
gataaccaag aggggtctgt ggtgtctctt ctgagctaca ccagtttcca ggttacctgg 240
gaccatggat aactctcaga tcagcaactt gtcagttgat ttccaagctg ctgttggtctg 300
gactcagact cagcagggag cacctgggag agccctgtgc tgcgggctgg actccggccc 360
atctcgctga ttactcttgc ttttgtctcc cagtgtgtcc tcaagagggtc agagcctgct 420
tggtgtttct tcatgaccac gggaggaggg gcaccaacat gaggggtgcta gcatctcccc 480
agtgggtggc tcccagggtc ggggaaaccc tgggggaggg gttgggacag ggacctctgt 540
cgcttgctgc cactgcctgg gtcaactgcc tggcaaggct ggccgctcgt gctcagaaaag 600
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gcattctgtg tctgtctctg arctactcgc atgataagtc tttgttgtcc tgtgggatgt 720
caccggttca tgctgaagag aaattgtaaa ggactccttt gcctgctcag gccccatggy 780
ctctgtcatg ttttgtcccc gtccctttgg garcacagca gcagtgggct ggctggactg 840
tgaggcgag gttcaaggat gargtacagt tgtgtgaaaag gtgagcctgc tggaccgggg 900
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tggcagarat gaagggcgtc atgtttcgta gccactcaac acccatggac aatttggtctc 1200
cttgtwaaga ctwakgcatg cctttgaact gacttacttg aaatataatt gskccyattt 1260
tgctccaaag aacaatgg 1278

```

<210> 1474

915

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1474

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gaattcggca cgagaaaggc aggacctcga ggcgcggccg cgcgagggtga ccggagtcac 60
agttcccgca ggcggcgaca gcagagcgcc cactgcctcc agcagattaa tattaagatt 120
ggaagtttgt gtcttttgct ggatattgga aattgaatgt aatggcaaca gaatttataa 180
agagttgctg tggaggatgt ttctatggtg aaacagaara acacaacttt tctgtggaaa 240
gagattttta agcagcagtc ccaaatagtc aaaatgctac gtatctctgt acctccattg 300
acttctgttt ctgtaaagcc tcagcttggc tgtactgagg attatttgct ttccaaatta 360
ccatctgatg gcaaagaagt accatttggtg gtgcgcaagt ttaagttatc ttacattcaa 420
cccaggacac aagaaactcc ttcacatctg gaagaacttg aaggatctgc aggag      475

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<210> 1475

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<400> 1475

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cgccattttc cccacagggg cgaggaggcg gctttggttc tcccgggtggg cttgccggag 60
tgcgttctgc agaccagaag ggctttgtct ggcgattgct gaatgctcaa tagcagcctg 120
ctgggaggga agtcgaaggg agaaatagga cagaaagaga gacctgacct ctccctggag 180
gctctcagtg tcggccgagg cccttggtct tgctctaggg ctctgcattc ccgagagctg 240
ctgtatgccg gggattggct tccaagcctg cctgagcttc tccagtctcc cgggcatcgc 300
catgcggttg gaggggtgagc cttcctctcc tgctgaaatt ccggcggtt ggcaaccggc 360
cggggggtct tggattcctc ggggagacam cactgatgct ttgtggtttc acgtaatttg 420
gatttaaaan ttgaaggcgt ca      442

```

<210> 1476

<211> 1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

916

<222> (931)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (973)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (995)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1004)
 <223> n equals a,t,g, or c

<400> 1476
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 gttgagctgt gtcttgaagg caaaagaaaa aaaatttcta cagtagtctt tcttgtttct 120
 agttgagctg cgtgcgtgaa tgcttatttt cttttgttta tgataatttc acttaacttt 180
 aaagacatat ttgcacaaaa cctttgttta aagatctgca atattatata tataaatata 240
 tataagataa gagaaactgt atgtgcgagg gcaggagtat ttttgtatta gaagaggcct 300
 attaaaaaaa aaagttgttt tctgaactag aagaggaaaa aaatggcaat ttttgagtgc 360
 caagtcagaa agtgtgtatt acctgtgtaa gaaaaaaatt acaaagcagg ggttttagagt 420
 tatttatata aatgttgaga ttttgcacta ttttttaata taaatatgtc agtgcttgct 480
 tgatggaaac ttctcttggtg tctgttgaga cttaaggga gaaatgtcgg aatttcagag 540
 tcgcctgacg gcagagggtg agccccctg gagtctgcag agaggccttg gccaggagcg 600
 gcgggctttc ccgaggggcc actgtccctg cagagtggat gcttctgcct agtgacaggt 660
 tatcaccacg ttatatattc cctaccgaag gagacacctt ttccccctg acccagaaca 720
 gccttttaaat cacaagcaaa ataggaaagt taaccacgga ggcaccgagt tccaggtagt 780
 ggttttgcct ttcccaaaaa tgaaaataaa ctgttaccga aggaattagt ttttcctctt 840
 cttttttcca actgtgaagg tccccgtggg gtggagcatg gtgcccctca caagccgnac 900
 ggctggtgcc cgggctacca gggacatgcc ngagggtctg atgacttgct tctgcagggc 960
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<210> 1477
 <211> 857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (820)
 <223> n equals a,t,g, or c

<400> 1477
 tgaaatgccg cttattcagt tttaagtact gacctgctaa gtaactagta attccagact 60
 ccctagaaga ggttgttctc tttttcccta atcataatcc ccacttgcta aaaccaaatt 120
 catctaagcc atctattttc tgcaggatac atgtaaatct tagaggatta tcccagcact 180

917

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gagcagatga tagatcaaac agatctctct tcatagtctt gtggatgaaa aaacagtatt 240
tacacataat ctgtattatt cacattgccca ggctaaattt tckggaycat tgktacycyt 300
cygttttttg tatagtgtga acagagtaty ctttaaatac atttttatgg catgcctatt 360
atgtacaaaa caccacaaag cttatgtagg taagtgatac ataggcccct acctcaagga 420
gcttactgtc tgaacagggg agaggtgtgg tgaaggatgg acaaattata tgtatttgta 480
agagtatata atttatggta aaacaatttc aagaaaggat taaaccatgt gttataatgt 540
ttcaaagaag ggagagatta taaaccactg gggtaaaagg ataggcttct tggaggaagt 600
gacatttgag atatatcttg gatgaccgat cagattccca tagaaggagt ctgagaaaag 660
ggcattccat gtagaaggaa tgacaagagc aaagacatag agagttaatt agaaaatgct 720
tgtcatttat ttcataattc gggggaaatt attttgtttt ataacacttt taaaaatat 780
ttagctttgc agttcctgac ccttaatgac ctgacccttn caagcaacca aagaaccagc 840
ttaatcctat tggttcc 857

```

<210> 1478

<211> 2771

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<400> 1478

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nttgagggttc tgggggtcct ggagacttac cattgagcca tgcaatctgg gaagcacagg 60
aataagtaga cactttgaaa atggatttga atgttctcat cctttttgca gcttttcttt 120
ttggctctct catgtccttg gcttgcctct ctattctacc tctctttctc cagcaataat 180
atgcaaataga agacatgtat ccataagaag gagtgtctct catcaactaa tagagcacct 240
accacagtgt catacctggg agaggtgagc aattcatatt caaagggtgc aaagtgtttg 300
taatataattc atgaggctgg aakkaagaag aattaaaaat ttgtcctaat tacaatgaga 360
accattctag gtagtgatct tggagcacac atgaataact ttctgaagggt gcaaccaaatt 420
ccatttttat ttctgcctgg cttggtcacc tctgtaaagg ttttaacttag tgttgtcaag 480
taacagttac tgaaagagct gagaaaaaga acaatgaaca gcaacgatct tgactgtgca 540
actcagacat tcttcgagaa aagacatatg ttgctttaca agaaggccaa agaactatgg 600
ggccttccca gcatttgact gttcattgca tagaatgaat taaatatcca gttacttgaa 660
tgggtataac gcatgaatat ttgtgtgtct gtgtgtgtgt ctgagttgtg tgattttatt 720
aggggcatct gccaatctct tcaactgtgg tcttctctct actttgcctg ttcacatct 780
aaggaggcta gatccttcgc tgacttcacc attcctcaaa cctgtaagtt tctcacttct 840
tccaaattgg ctttggctct ttcttcaacc ttccattca agagcaatct ttgctaagga 900
gtaagtgaat gtgaagagta ccaactacaa caattctaca gataattagt ggatttgtgt 960
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acacatggct ctacttgag aagctcacct gtgctgaatg tccacatggg cactaaacat 1260
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attggctctt tctcaaagtt cctgccttgc tagactgtta gctctttgag gacagggact 1560
atgtcttatc aatcactatt attttctctg tacctagcat gggacaagta cacaacacat 1620

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918

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atttgttcaa tgaatgaatg aatgtcttct aaaagactcc tctgattggg agaccatata 1680
tataattggg atgtgaatca tttcttcagt ggaataagag cacaacggca caaccttcaa 1740
ggacatatta tctactatga acattttact gtgagactct ttattttgcc ttctacttgc 1800
gctgaaatga aaccaaaca gcccgttggg ttccacaagt caatatatgt tggatgagga 1860
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aggcaattat attattcttc tgtagttaag caaacacttg ttgagtgcct gctatgtgca 2220
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ggaaacacta ataaaaacca cagagaccag cctggaaaaa aaaaaaaaaa aaaaaaaaaa 2760
aaaaaaaaa a

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<210> 1479

<211> 2065

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1984)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2040)

<223> n equals a,t,g, or c

<400> 1479

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gcacaatgga tgaagaagag aaggatgatg gtgaagctaa agaaatttct acacctaccc 60
attggtctaa acttgatcca aagacaatga aggtaaatga cctccgaaaa gaattagaaa 120
gtcagagctct tagttccaaa ggattaaaat ccaggttaat agcccgattg acaaaacagc 180
ttaaagtaga ggaacaaaaa gaagaacaga aggagttaga gaaatctgaa aaagaagagg 240
atgaggatga tgataggaaa tctgaagacg ataaagagga agaagaaagg aaacgtcaag 300
aggaaataga acgccagcgt cgagaaagaa gatatatattt gcctgatgaa ccggccatca 360
ttgtacatcc aaattgggct gcaaaaagtg gcaagtttga ttgtagcatc atgtctttga 420
gtgtcctatt ggactacaga ttagaggata ataaagaaca ttcatttgag gtttcattgt 480
ttgcggaact tttcaacgaa atgcttcaaa gagatttttg tgtccgtata taaaaatcat 540
tactgtctct tcctgagaaa gaggacaaaa aagaaaagga taaaaaaagc aaaaaagatg 600
agagaaaaga taaaaaagaa gaaagagatg atgaaactga tgaacaaaaa cccaaacgga 660
gaaaatcagg cgatgataaa gataaaaaag aagatagaga tgaaaggaag aaagaagata 720
aaagaaaaga tgattctaaa gatgatgatg aaactgaaga agataacaat caagatgaat 780
atgaccctat ggaagcagaa gaagctgagg atgaagaaga tgatagggat gaggaagaaa 840

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919

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tgaccaaacg agatgacaaa agagatatca acagatactg caaggagagg ccctctaaag 900
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tccgtgaatc ttgcttttac cggaaattaa cagacacctc aaaagatgaa gagaaccatg 1140
aagagtctga gtcattgcag gaagatatgc taggaaacag attattactt ccaacaccaa 1200
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aatgaataa gacaatcagr aacttwtcta cggtaatgga tgaaatccac actgttctca 1560
agaaggataa tgtaaagaat gaagacaaag atcaaaaatc caaggagaat ggtgccagtg 1620
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tgatataaga atgtttgaag gtgatgcacg tttgatttta gtagtataaa tgtatttttag 1740
ttcaaatgat gtataaagtt ttatgaatgt gagtttctgc ttttgaaaat tgcttgtaat 1800
tcctagcctt caaattatta aacactcctt gagtgaaata attttgcatt gcaaagtgtt 1860
ttaggatgaa ctttgktata gttttaactc caataamgtt catcagttta attgactgta 1920
gtatttaatt accaaatttc ttttattaaa atgcctagaa atttttaatt tatagaatta 1980
ttanggttta aaaattttta gtctctgggt aaaattcagt caaaatcata aaatacatgn 2040
gcttaaattt tgcaggtttt tgaac 2065

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<210> 1480

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (602)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (659)

<223> n equals a,t,g, or c

<400> 1480

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gaaaaacaag ctgagatcct ggaatatgca tatcatggac agatcgccat tgttgcccc 60
gaagcccttc tagcagggca caattatacg ttgaagatag agtactcggc aaatatatct 120
agttcttatt atgggtttta tggcttctcc tacacagatg aaagtaatga gaaaaagtac 180

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920

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tttgcagcaa ctcagtttga acccctggca gcaagatctg cttttccttg ttttgatgaa 240
ccagcattta aagccacttt tatcatcaag atcataaggg atgagcaata caccgcttta 300
tcaaatatgc ctaagaagtc atcagtcggt ctagatgatg gacttggtca ggatgagttt 360
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ctgagtcagg acgtaaaatgg aaccctgggt tctatatatg ctgtaccaga aaagattggg 480
caagttcatt atgccttgga aacaactgtg aagcttcttg agttttttca aaactacttt 540
gaaattcagt acccacttaa gaaattggat ttggtggcta ttcctgactt tgaagcaagg 600
ancaatggaa aattgggntt ttgctcacct tccgaaaagg anacacttct gtttgacant 660
tacacttctt ccatggcgga taaaaaagct gggtgactaa aatcatttgc tcattgaact 720

```

<210> 1481

<211> 1167

<212> DNA

<213> Homo sapiens

<400> 1481

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<210> 1482

<211> 2129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

921

<400> 1482

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gatcaagggtc aagagaaaaga aaacgaaaagt cagataatga aggaagaaaa cacaggagcc 180
ggagcagaag caaagaggga agaagacatg aatccaaaga taaatcctct aagaaacata 240
agtctgagga acataatgac aaagaacatt cttctgataa aggaagagag cgactaaatt 300
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2129

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<210> 1483

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<400> 1483

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922

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cgcttaccta tgctgattct tactaaaagc ataggctggg gtattttattg gcgaaaggaa 120
atgtgtagtg tgggctggac tgttggtgga ggctggcctt ttagccact tgctatacat 180
gctgccaatg gatttaagac ttgaaatggt gaaagttgag tgggaattatt tccctcctaa 240
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gttttttttt ttttttctat aaagtttaca ttgtcttact atttattgar tgaatyctctg 360
gtcattgcct atgcaaatat aakaaatctg gctttaaata ttagtcagtt tcatggctat 420
gactagattg ktttcttgka taactaaata cctgkataaa atgaactaat gttttctctc 480
ccctccctac cccttcctaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 533
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<210> 1484

<211> 901

<212> DNA

<213> Homo sapiens

<400> 1484

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cctcatatga tacaagaaga cccagcttct ttgtctctac cctgtaggca ctgggtagac 180
aggtaggtga tattttactt cacaacaag ggaactaaaa gtatgaacat ttctctgttc 240
ctcattatct ctgccctaaa atattttggc tatctagccc cagttagagc ggactggcac 300
tgtctggtac aggaggtatg cagcagatgt tctgcatctg agctccatta tgactgtccc 360
ccaacaaatc atccccccagc cagcccaagg gaacgtggaa ttcagagggg aactgttcta 420
accaggagca gccaaattaga tccaggccag agaaacccat atccaggcac tttatctttg 480
tcctaaaatg aacctagcta acctcttcag gctatccaaa accctgacca ctccacatag 540
agagacattt gctagcctta catgtcactt tccactgtac acataccaat gacacctgaa 600
ccagatataa agacagaccc acaaagggtc tgctgagcct aaggatctgc tcacctattt 660
ctgatcccga atgcccctgg gacatcttcc agaatgtgtg cctccaaata agtctagaa 720
aattggagga aaattttaat gcagatgaat cgagaaggaa taaaagccat tagaaattct 780
gggaaaacaa gaaatataga agaaagtcac ggggctgggt gtggtagctc acgcctgtaa 840
tcccagctac tcaggaggct gagcaggaga atcgcttgaa ctggarargt ggaggktgtg 900
a 901
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<210> 1485

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (691)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (746)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

923

<220>
 <221> misc feature
 <222> (772)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (780)
 <223> n equals a,t,g, or c

<400> 1485
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 agtatttttga gtccatggaa gatgtagaag tagagaattg cttggaccgg ggaggcaaag 180
 gttgcagtga gtggagatca tgcattgccac tgcactccag cctgggacgac aagagcaaga 240
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 aaaatagtaa actctaccta acacagtatt tctcatttta accatgtgga aatgaacagt 360
 tcagtggcat taattacatt cacaaggctg tggaccacac cactatctat accccaactt 420
 ttatcatcat cccagcaaga actctgtacc cattaagcaa taactcctgc ctgcgtcccc 480
 aagctctatt ctgcttttgg tctctgaatt tgccattttt aggtagctca taggtggaat 540
 cctacaatat ttatttttgg tctggcttat ttctgttttagc ataattgctt caagtccatc 600
 catgttgtaa gtgtgtatca aaattctgtt ccatttttatg gctgaatatt ttattaaatg 660
 catattccat attttgggta gccattctcc ngaacggaca tctgggggtt gcttccacct 720
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 tt 782

<210> 1486
 <211> 891
 <212> DNA
 <213> Homo sapiens

<400> 1486
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 ttccagcct tgtggtccac aattccactg ggcccttaagt atgtactgaa ctttccctgcc 120
 tccctcattt tgctctgctt gtgcaatttt ttccaccctc catctctgtc aaacgtaagc 180
 cttccctgacc tctaagacct acctttgtca tgtaccctta ccctcaggca aggagcaatc 240
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 agttttaaata ccagcttttg aggtgggttac ttaaagtctc agtgccttca ttcttcttcc 420
 tatataaagt agatattaca atatctaact tacagagtca ttgggagcta tacatgcagc 480
 gattgggtaa agcacctggc acatggcaag cgattagcaa atgctgggta cttctacttc 540
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 tacccttgta ttcccccag tacttcccat agtgarttac ccttagtaaa tacycagtaa 660
 gttgaattga attttaaatta mctgtaagtc ttaaaatgtg ggattaaatt aagaatata 720
 tgccttgga ataccgaag gtctattgat ggatgaatgg ataaacaaaa tgtggtatac 780
 acataatgga atattattca gccttaaaaa ggaatgaaat tctgacatgt gctacaatat 840
 gatgaacctg gaagacatta tatgtgaaat aagccagaca gaaaaggaca a 891

<210> 1487
 <211> 1181

924

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<400> 1487

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ctcggagttc agagcattgg gtttttttct cccctcccca cccccagaaa aataattaga 480
aaaatgttta ggagaaagga aaagaattag atgcatcaga ataccagcta taagccaaca 540
ctgtttccag aaactcaaga aaaagctcaa acagaagaca gttccccctga gaggtgggag 600
gcgttgggtg tgaaggnaat tttcctagct aaggggcaact gggccttgct gcaccttggg 660
gctgaccttt tttgcaaaac acccaccctt gccctcctgg catactcaac agcaacgcca 720
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tatttgcatt tatttaggaac aggccttaaa ttcaaggaaa a 1181
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<210> 1488

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

925

<221> misc feature
 <222> (501)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (505)
 <223> n equals a,t,g, or c

<400> 1488
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 agtgctgtta ccagtgagga atggcgctcag cttcagactc awgcaaaact gggttttagag 120
 gaaaacaagt tggtgctgga gcagttggag attcagcaaa ggaaagccaa ggacagccac 180
 caggagcgcc tccaagaagt ttctaagctg actaaacaac taatgctcct ggaggcaaaa 240
 acccacggcc aggaaaagga gctggcggag aacagggaac agctggagat ttacgtgcc 300
 aaatgccaaag aactcaaaac acactcggat ggcaaaatcg cagtggagat tcataaatca 360
 attgtgaatg aattaaaaag ccaattacag aaggaagaag anaaagaaag ggctgagatg 420
 gaggagtiga tggagaagct gacagtcctg caagcgcaga agaagagcct gctgttanag 480
 aanaacattt tgacagagca naacn 505

<210> 1489
 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 1489
 gaattcggca cgaggtgggtg ggaggtccg gcgggggtcta cgccctgtgc tcggcacacc 60
 tggccaacgt tgtcatgaac tgggctggga tgagatgtcc ctacaagttg ctgaggatgg 120
 tgctggcctt ggtgtgcatg agctccgagg tgggcccgggc cgtgtggctg cgcttctccc 180
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 ccctttgtga acggacgtct cagggtgct gtgccccctt ggtgtgggtg gcctcaaagg 540
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 taattaataa atattttacm cagcaccaaa aaaaaaaaaa aaaaaaaaaa c 651

<210> 1490
 <211> 2968
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2961)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2964)

926

<223> n equals a,t,g, or c

<400> 1490

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ccatgggggtc ctggagtccc acctggcgga gaaggggaga ggcatggagc tatccgacct 360
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aggcttcaag gccgaatggc tggcagtga ggacgagcgt ctgtacgtgg gcggcctggg 540
caaggagtgg acgaccacta cgggtgatgt ggtgaacgag aaccggagt gggatgaagg 600
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ggctgctgcc ggcatccagc cgccaggcta cctcatccat gagtctgcct gctggagtga 720
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927

gagggagtgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2940
 aaaaacaaaa aaaaaaaaaa nagnagag 2968

<210> 1491
 <211> 529
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (373)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (464)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (484)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (529)
 <223> n equals a,t,g, or c

<400> 1491
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 atatctcagt taataatttt caatagtga actatcaaat atcagagatt tacttccttt 180
 tagttactat gaaaagcaca ttacttttgg agagcaactg taatacacct aaaattagag 240
 caaccaaagg catgtatgga gcatttttta atttaaaaaa ttgcattttg tttctcatac 300
 cttattttaa acattaagaa gtaaattgtct ttagtttttg agtacatttt tatatgaata 360
 ggaaacatgc tgntttcata atccagkctt ttgatgtgtg tgaaatgaat ttgtgtggag 420
 cgttatgtga atttttatga acttatcttt tattggtgat ctanaaatgc ttgggatacc 480
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<210> 1492
 <211> 1225
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (59)
 <223> n equals a,t,g, or c

<400> 1492
 gtgcactcta acgatctctt tgccatcttg ttttaatctg acagttctca gacatagana 60

928

```

aaaaaggtaa ctcatgcatg tactaccttt tttctctatg tctgagaact gtcagattaa 120
aacaagatgg caaagagatc gttagagtgc acaacaaaat cactatccca ttagacacat 180
catcaaaagc ttatTTTTat tcttgcactg gaaggaatcg taagtcaact gtttcttgac 240
catggcagtg ttctggctcc aaatggtagt gattccaaat aatgggtctg ttaacacttt 300
ggcagaaaaat gccagctcag atatTTTgag atactaagga ttatctttgg acatgtactg 360
cagcttcttg tctctgtttt ggattactgg aatacccatg ggccctctca agagtgtctg 420
acttctagga cattaagatg attgtcagta cattaactt ttcaatccca ttatgcaatc 480
ttgtttgtaa atgtaaactt ctaaaaatat ggtaataaac attcaacctg tttattacaa 540
cttaaaagga acttcagtga atttgTTTTt atTTTTtaac aagatttTgtg aactgaatat 600
catgaaccat gttttgatac ccctTTTTtca cgttgTgcca acggaatagg gtgtttgata 660
tttcttcata tgtaaggag atgcttcaaa atgtcaattg ctttaaaactt aaattacctc 720
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ttctccaggt ttgcagtttt atttctataa agtatgggta ttatgttgct cagtacttca 840
aatggtagtg tattgtttat atttgTacct caaataacat cgtctgtact ttctgttttc 900
tgtattgtat ttgtgcagga ttcttttaggc tttatcagtg taatctctgc cttttaagat 960
atgtacagaa aatgtccata taaatttcca ttgaagtcga atgatactga gaagcctgta 1020
aagaggagaa aaaaacataa gctgtgtttc ccataagtt tttttaaat gtatattgta 1080
ttttagtaaa tattccaaaa gaatgtaaat aggaaataga agagtgatgc ttatgttaag 1140
tcctaacact acagtagaag aatggaagca gtgcaataa attacatttt tccccaaaaa 1200
aaaaaaaaa aaaaaaaggg cggcc

```

<210> 1493

<211> 2298

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2291)

<223> n equals a,t,g, or c

<400> 1493

```

gaattcggca cgagccactg ggacatgtcg ctgccgctca tcgtgactct gagcactatc 60
tccatcatcc tcctagcggc catgatcacc atcgccgtca agtgcaagcg cgagaacaag 120
gagatccgca cttacaactg ccgcacgccc gagtacagcc acccgagct gggTgggggc 180
aagggcaaga agaagaagat caacaaaaat gatatcatgc tggTgcagag cgaagtggag 240
gagaggaacg ccatgaacgt catgaacgtg gtgagcagcc cctccctggc cacctcccc 300
atgtacttcg actaccagac ccgcctgccc ctccagctcg cccggTcgga ggtgatgtat 360
ctcaaacggg cctccaacaa cctgactgtc cctcaggggc acgcgggctg ccacaccagc 420
ttcaccggac aaggggactaa tgcaagcgag acccctgcc ctcggatgtc cataattcag 480
acagacaatt ttcccgcaga gcccattac atgggcagca ggcagcagtt tgttcaaagt 540
akctccacgt ttaaggaccc agaaagacca gcctgagaga cagtgggcac ggggacagtg 600
atcaggctga cagtgaccaa gacactaaca aaggctcctg ctgtgacatg tctgttaggg 660
aggcactcaa gatgaaaact acttcaacta aaagccaacc acttgaacaa gaaccagaag 720
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caagcagccc aaccaaggcg tgcacgcagc cttgcacctc aacaaaaggc tccctggatg 1080
gctgtgaagc aaaaccagga gccctggctg aagcaagcag tcagtacttg cccactgaca 1140

```

929

```

gtcaatatct gtcacctagt aagcaaccaa gagacctcc cttcatggct tccgatcaga 1200
tggcaagggt ctttgcagat gtgcattcca gagccagccg ggattccagt gagatgggtg 1260
ctgttcttga gcagcttgac caccccaaca gggatctggg cagagagtct gtggatgcag 1320
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gatttaaaaa tgatccctcc tgggtgataac mcattttaca gggatgaaga aagaccaatg 1500
ctgctttaag gcttttagtg aacatctgaa gtgcccacaa gtatgttctt tccactgctg 1560
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aatgatgctt aaagagaaaa gaaaaaaara gagaagaaaa aggagagatg aaaaaggagg 1680
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gtatttctga tcactctcag actgtcctcc gtgatttatg ctgacttaac tgtttaccta 1800
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acaggcttct actgaaagtc ctgaaaagac cttgcagtag tccaagctac accaaacatt 1920
aacacatatt tgtggtaaac atttctgtat aaagttacct gacacacata taaacacaag 1980
gaacattcca tatcattagt cgaaaacaaa aacaaaaaaa aaaccttygg tcatttgtaa 2040
kacatctcat gtcataataa agttaaatgt aaaaagatac agtccatttt gtctgcaca 2100
cacgtagact aattcacgtc attaaagaag aagaaaactt aaagatttaa aatgcctatt 2160
tagcatttta gtgtccaaca aagattttaa caatgatgaa tatgttttaa atttgacata 2220
gaaaagttct aaaaaatagt taccattgag tggtgaagatt cagagaaaat taacttgatt 2280
aatatgtttt naaaaaaa 2298

```

<210> 1494

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 1494

```

aganacccan ccctcactaa agggaaacaaa agctggagct ccaccgcggt gacgaccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gngccccgc gagccgctcg 120
agaactccgc cagcgagtcg tctgacacgg agctgccaga gaaggagcgc ggcggcgga 180
cccaaggggc ccgaggacag tgggtgcgga ggcacgggct gcggcggcgc agacgaccca 240
gccaagaaga agaagcagcg gcggcaacgt acgcatttca caakccagca gttgcaagag 300
ctagaggcca cgttccagag gaaccgctac cccgacatga gcatgaggga ggagatcgcc 360
gtgtggacca acctcaccga gccgcgcgt . 389

```

<210> 1495

930

<211> 1400

<212> DNA

<213> Homo sapiens

<400> 1495

```

ctctggagcc accagcagaa cctcttcaat atcttgcatg ttacagattt cactgctccc 60
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ggcaagtgga caccacaaaag gcagtgatca ctttgagacc tccatgggtc agcgtgttcc 180
aagaggaaac cgtaaccttg cactgtgagg tgetccatct gcctgggagc agctctacac 240
agtggtttct caatggcaca gccactcaga cctcgacccc cagctacaga atcacctctg 300
ccagtgtcaa tgacagtggg gaatacaggt gccagagagg tctctcaggg cgaagtgacc 360
ccatacagct ggaaatccac agaggctggc tactactgca ggtctccagc agagtcttca 420
cggaaggaga acctctggcc ttgaggtgtc atgctgggaa ggataagctg gtgtacaatg 480
tgctttacta tcgaaatggc aaagccttta agtttttcca ctggaattct aacctcacca 540
ttctgaaaac caacataagt cacaatggca cctaccattg ctcaggcatg ggaaagcatc 600
gctacacatc agcaggaata tcwrtcactg tgaaagagct atttccagct ccagtgtctga 660
atgcatctgt gacatcccca ctcttgagg ggaatctggg caccctgagc tgtgaaacaa 720
agttgtctct gcagaggcct ggtttgagc tttacttctc cttctacatg ggcagcaaga 780
ccctgcgagg caggaacaca tcctctgaat accaaatact aactgctaga agagaagact 840
ctgggttata ctggtgcgag gctgccacag aggatggaaa tgtccttaag cgcagccctg 900
agttggagct tcaagtgtct ggctccagct taccaactcc tgtctggttt catgtccttt 960
tctatctggc agtgggaata atgtttttag tgaacactgt tctctgggtg acaatacgtg 1020
aagaactgaa aagaaagaaa aagtgggratt tagaaatctc tttggattct ggtcatgaga 1080
agaaggtaat ttccagcctt caagaagaca gacatttaga agaagagctg aaatgtcagg 1140
aacaaaaaga agaacagctg caggaagggg tgcaccggaa ggarcccccag gggggccagc 1200
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agcactgctg acaaacatcc aaaagttcaa caacaccaga actgtgtgtc tcatggtatg 1320
taactcttaa agcaaataaa tgaactgact tcaactggga aaaaaaaaaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa 1400

```

<210> 1496

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<400> 1496

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caggcgacag agctgagcca agcgtttact gggcagctgt tacgctcaga ttccaaatga 60
waatgtttga gagcgctgac tctacagcca caagatctgg ccaggatctc tgggctgaaa 120
tttgttcttg tctgccaaat cctgaacaag aagatgggtg caacaatgca ttctcagact 180
cctttgtgga ttcttgccct gaaggtgaag gccagaggga ggtggctgac tttgctgtcc 240
agccagctgt aaagccttgg gctcccttgc aggattcaga agtgtattta gcactctctag 300
agaagaagct aagaagaatc aaaggtttta atcaggaagt gacttccaag gacatgtctc 360
gaactctggc ccaagccaag aaggaatgct gggatcgggt cctccaggag aagttagctt 420
cagagttctt tgtggatgga cttgattctg atgagagcac cttnggaaca tttcaagagg 480
tggctccagc cagataaagt agccgtcagc acagaggagg tccagtatct gattcctcca 540
gagtcacagg ttgagaagcc agtggccgag gacgagccag cagccgggga caagccagca 600

```

931

```

gcagcagaac agtaaattac acacacacac acacacacac acacgccgag cagctgtctc 660
gggtccagag cgagcagcgt ggagctcagt gacagcagca gggagaaatc cactgaagga 720
aaaaacccaa atttccactc cacaaagaaa acagctgcaa gccccaggg acttacctgg 780
ggctggcatg tgtgactgtc tcggatgaag tgactgaccc agtgcacact ggatcaaaat 840
gctgctttcc tctgtgtctc acagcttggc tgagctctgt ctctgcaggt tagaagtctg 900
ctaaagatca aatgtgaaag tacttggaga aactgaggcc tcttatgtgt aatgtgtaag 960
ttaagtgagc catatatattt cttgcctctt ccggacattc atgcttgtgt cccaagcatt 1020
cccttgggtga attgtcacgt gagtggggcc agtaagagtg aagtctgctc cttgaatcca 1080
agccccatct ggggcttctc taacaaatct gtagtaagta tacggactcc agggagagag 1140
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tttgacacta ctcttgata gttccaaaca tcttccttgt ggcagggttc ctggctgagc 1380
ccgagcttcc ctccctgttt attgtgttca tgatcagtat gtgtttccat ataaaacttt 1440
tctcaacgga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1484

```

<210> 1497

<211> 2192

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2190)

<223> n equals a,t,g, or c

<400> 1497

```

gccccgatttc ctccgggcta caggcgacag agctgagcca agcgtttact gggcagctgt 60
tacgtctcaga ttccaaatga aaatgtttga gagcgctgac tctacagcca caagatctgg 120
ccaggatctc tgggctgaaa tttgttcctg tctgccaaat cctgaacaag aagatggtgc 180
caacaatgca ttctcagact cctttgtgga ttcttgcctt gaagggtgaag gccagagggga 240
gggtggctgac tttgctgtcc agccagctgt aaagccttgg gctcccttgc aggattcaga 300
agtgtattta gcatctctag ccattttatt ttaaaaatat ttcttgactt cggatgtggc 360
ttgagctgta ggcgcggagg gccggagacg ctgcagaccc gcgacccgga gcagctcggga 420
ggcgggtgaat aatagctctt caagtctgca ataaaaaatg gcctccaaca aaactacatt 480
gcaaaaaatg ggaaaaaaac agaattggaaa gagtaaaaaa gttgaagagg cagagcctga 540
agaatttgtc gtggaaaaaag tactagatcg acgtgtagtg aatgggaaag tggaatatatt 600
cctgaagtgg aagggattta cagatgctga caatacttgg gaacctgaag aaaatttaga 660
ttgtccagaa ttgattgaag cgtttcttaa ctctcagaaa gctggcaaaag aaaaagatgg 720
tacaaaaaga aaatctttat ctgacagtga atctgatgac agcaaatcaa agaagaaaag 780
agatgctgct gacaaaaccaa gaggatttgc cagaggctct gatcctgaaa gaataattgg 840
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agacttgggtg ctggcgaaaag aggcaaatat gaagtgtcct caaattgtaa ttgcttttta 960
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gttcttttat atatatatt atatatatat aaaaattggg tcttagattt tgatttacta 1080
gtgtgacaaa ataactacat cctaattgaaa atcaagtttg atatgtttgt tttgaaagta 1140

```

932

```

gcgttggaag agttgttggg ggttttttgc atccatagca ctgggtactt tgaacaaata 1200
aataaaagct ttctgtagtt gcttccttta tcagaaaaga acatttgata ccatggtata 1260
tcatttcctc ttcattaaag aacagctttt ctaaagtgtg ggggaaatgt ccatagtcac 1320
tactcagtc aacttgtgt tctcatgagc ctaaggacca ttctagattt attacgtgtt 1380
ttttgtgtgt gtgtgtgtgt gtgtgtgtgt atccataaaa tgcataatgta aatttttttt 1440
tgtttttaag cattcaccca aacaaaaaaa tcacaggtaa acccatgttt ctgagatgcc 1500
attattccaa gcaaaataag agataatccc ttcaagttaa attgaaaatt ttcctgaaac 1560
catacatttc aagtgaata agtaattcta gataggacaa tttaaattgg ataattttta 1620
agtgtctata attgcagtgg tttatttgca aaattcctaa aaggaaaaat tttatcactg 1680
ccatcacagc aggtttcctc atccagatga ggaaactaga caaatgctag tgtgttttaa 1740
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ttaccccaat tcattacatg gaggtcaat cttgagtttg ctttactggg tcagcaaaag 2040
ccaggaagaa caactttgta gtaatacaaaa tgttatccaa ctgtatatgg tttactttat 2100
tgtaaatact ggtgaacagt ggttaataaaa tagttttata ttcctttatg caaaaaaaa 2160
aaaaaaaaa cctngggggg ggccccggan cc 2192

```

<210> 1498

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1498

```

gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc cagcggtccg 60
gtaaaaagtg actgaggaca caagcagtggt tctgcgttcc ccgatgcccg gagtgggtgg 120
ggcgcgtctc gtcaagcctg gagacgcggg agcagaaggc caagaaattt gtgtgattga 180
agccatgaaa atgcagaata gtatgacagc tgggaaaact ggcacgggtga aatctgtgca 240
ctgtcaagct ggagacacag ttggagaagg ggatctgctc gtggagctgg aatgaaggat 300
ttataacctt tcagtcacat cccaatttaa ttagccattt gcatgatgct ttcacacaca 360
attgattcaa gcattataca ggaacacccc tgtgcagcta cgtttacgct gtcattttat 420
ccacagagtc aagaccaata ttctgccaaa aaatcaccaa tggaaatttt cattgatata 480
aatacttgta catatgattt gtactttctg tgtgagattc cctagtgtca aaattaaatc 540
aataaaaact agcatttgct taaatattag tttgcccttt ctttgaatga agacaatgta 600
cacatagggc accaggtctg ccagtagact accagcattt ctttgtgatc cttttaagag 660
attgatataa atgtcagtc gttct 685

```

<210> 1499

<211> 1049

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1027)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1046)

933

<223> n equals a,t,g, or c

<400> 1499

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gctgagggat ttcattcaaca ctagactggg cccataagaa acgyttaagg gagtactttg 60
gtcagaaaga aacagacatt aatgagcaac aaagaatcat cttaaaggtaa aaaactcact 120
gttaagagta agtacacaga aaaacccaaa gtgtgataac attgtaactg tgggtgtgtaa 180
gtagaaagaa taaatgataa accaatcaaa aatagtaact acaacttttc aagaccagtc 240
agaaaaataa gataaaatta gaaacaacaa aaagttaaaa agtgggggga tgaagttaag 300
atgtagagtt tttattagtt ttttgtttgt taatgcaaac agtggtacca gggttaaata 360
atgggttaca aaatagtatt tgtaatcctt atggtaacct caaacctaaa aacatacact 420
ggatacataa aaaataaaaa gcaaaaacct aaatcatatc accagagcaa actaccttcc 480
ctaaaggaag acaggaagaa aagaaagaag aagaccmcaa amcaaccaga aaacaaataa 540
atwacaaggc aggagtaagt ctttacttat cgataataca ttgaatggma atatggacta 600
aactctccaa tcaaaagaca tagactggct gaatgaatgg agaaaacaag acccattgat 660
ctggttgcta caagaaacac acttaaaacta taaagacaca cataggctga aagtaaagag 720
ttggaaagag ttattccatg ccaatggaaa ccaggaaaaa gagaaggagt attgattttg 780
atacaaaaaac tatgagacaa ataaagtcac tatacaatga waaaggggtt aatatggttt 840
ccatttgtgc cccacccaaa tttcgtgttc tattgtaatc ctcaatgttg gaggtggggc 900
ctggtgggac gtgattggat catgggggtg gatctttcat gactaattca gcaccatctt 960
cttagtgctg ttctcatgat agtgagtcct ctgaatctgg ttgcctaaag tgtgtagccc 1020
tctccanacc acccgcttgc cttggnac 1049

```

<210> 1500

<211> 1018

<212> DNA

<213> Homo sapiens

<400> 1500

```

cgacagaagg gtacggctgc gagaagacga cagmaggggc tcctcgccag cagccgtccg 60
gagccagcca acgagcggaa aatggcagac aatttttctgc tccatgatgc gttatctggg 120
tctggaaacc caaacctca aggatggcct ggccatggg ggaaccagcc tgctggggca 180
gggggctacc caggggcttc ctatcctggg gcctaccccg ggcaggcacc cccaggggct 240
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ctgattgtgc cttataacct gcctttgcct gggggagtggt tgctcgcat gctgataaca 480
attctgggca cgggtgaagc caatgcaaac agaattgctt tagatttcca aagaggggat 540
gatgttgctt tccactttta cccacgcttc aatgagaaca acaggagagt cattgtttgc 600
aatacaaaagc tggataataa ctggggaagg gaagaaagac agtcgggtttt cccatttgaa 660
agtgggaaac cattcaaaat acaagtactg gttgaacctg accacttcaa gggtgcagtg 720
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aggggcagat taaaaaaaaa aaaagaatct aaaccttaca tgtgtaaagg tttcatgttc 900
actgtgagtg aaaattttta cattcatcaa tatccctctt gtaagtcac tacttaataa 960
atattacagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcga 1018

```

<210> 1501

<211> 2031

<212> DNA

<213> Homo sapiens

934

<400> 1501

```

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aagctgtcca catccctggc ctcagcccg caccacccc tgacctgctt acgcccagat 120
tttcttcaat cacatctgaa taaatcactt gaagaaagct tatagcttca ttgcaccatg 180
tgtggcattt gggcgctggt tggcagtgat gattgccttt ctgttcagtg tctgagtgt 240
atgaagattg cacacagagg tccagatgca ttccgttttg agaatgtcaa tggatacacc 300
aactgctgct ttggatttca ccggttggcg gtagttgacc cgctgttttg aatgcagcca 360
attcgagtga agaaatatcc gtatttgtgg ctctgttaca atggtgaaat ctacaacat 420
aagaagatgc aacagcattt tgaatttgaa taccagacca aagtggatgg tgagataatc 480
cttcatcttt atgacaaagg aggaattgag caaacaattt gtatgttggg tgggtgtgtt 540
gcatttgttt tactggatac tgccaataag aaagtgttcc tgggtagaga tacatatgga 600
gtcagacctt tgtttaaagc aatgacagaa gatggatttt tggctgtatg ttcagaagct 660
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```

<210> 1502

<211> 1463

<212> DNA

<213> Homo sapiens

<400> 1502

```

ggcgcggaaa gttggcctcg cccctgccga cgtcgcaggc tggagctcac ctgggagact 60
ccaagtggaa gccgagctcg gttctgcctc tccaggcaac gccggaggcc cagcgggaag 120
gcaggaggcg gcggcggagg aggagctcta ctgagccgca actgtggcga cagcaaccgg 180
agtcgcagcc gccgccacct gcacctggcg cctagcccac gtccagcgcc tgcccgggccg 240
ccgcttcccg ccacctgccc ctgcccaccc gccaggctact accattaaag ataccttctt 300
ctcagcaaat ctatgataaa aaatataagt aacagaagaa gaaataactg ttatttgtca 360
agtgacaagc ttttaatgtc agaattggctc acctaaagcg actagtaaaa ttacacatta 420
aaagacatta ccataaaaag ttctggaagc ttggtgcagt aatttttttc ttataatag 480
ttttggtttt aatgcaaaga gaagtaagtg ktcaatatct caaagaggaa tcaaggatgg 540

```

935

```

aaaggamcat gaaaaacaaa aacaagatgt tggatttaaat gctagaagct gtaaacata 600
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gtgagagacc ttgtttgcaa ggatattata cagcagcaga attgaagcct gtccttgacc 720
gtccacctca ggattcaaat gcacctggtg ctcttggtta agcattcaag acaaccaatt 780
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tcataatgaa gcgtggtcca cgttgcttag aactgtccac agtgtgctct attcttcacc 1020
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rtgaacctac ccatttaaacc acc 1463

```

<210> 1503

<211> 570

<212> DNA

<213> Homo sapiens

<400> 1503

```

tgcaaaaatt acagctggtg cctgtaatcc ccgctactcg ggaggtgac acaggagaat 60
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tgggcaaccm agagtgaac tgtctcaaaa aacaactttt atcaatgtct gcaaaaagaa 180
agtcttctgg gatattataga tcaatttagg gagaaatgac attttaacaa ttctgagttt 240
tccaattgtt gaacatggtg tactgcccc a ttatttaga tctgttaatt tctctcagtt 300
tgcagctctc acattttgtt aaattcatgt atttaatat tctgcatgct attgcaagtg 360
gtaagggttt caaaaagctg ttttctagtt attgctagta tatagaaatg cattagactt 420
gtacattgat cttgtatcaa gcaacttaga tcagttaact tattctagta gcttttttct 480
agattcttta gcattttcta tgtagataat catgtcatct gtgaataaag tatttttactt 540
ttccaattta aaaaaaaaaa aaaaaaactc 570

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<210> 1504

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

936

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 1504

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atgtagggtt tcatcataat ctcaatgttg tttatccaaa tgtatcacgt tatataaata 180
tgtagagggt tccagatgtc aagggcaggg tattaggttc aagtgtggct ggctctaacc 240
tctccactga actcctagag tgagatttaa gttttattta atctaacttt actaattcaa 300
cttagtcgtg taagaaggat atgaagaata tgaattattg tacttcacac tgctactttc 360
atgtacagta tagtagawta atactgacma cyatagacma gragttaaaa ttkgtcycrg 420
gaaaatycty cargatttta amcattgrca ttgccncgga gcggagaatt cagggcccg 480
aaagnggggc nacttagg 498

```

<210> 1505

<211> 2061

<212> DNA

<213> Homo sapiens

<400> 1505

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gccggcaccg cagcagcccg aggagggcgc gggcrcgrgg cccgggtgcgt gcagcctgca 60
cctcagcgag cgcgcgcgact ggcagtactc gcagcgcgag ctggacgccg tcgaggtctt 120
cttctcgcgc acggccccggg acaaccgggt cggtgcgatg ttcgtgcgtg gcgcgccctc 180
cagccgctac acgctgctct tctcgcacgg caacgccgtg gacctgggcc agatgtgcag 240
cttctacatt ggccctcggt cccgcaccaa ctgcaacatc ttctcctacg actactcggg 300
atacggcgtc agtcggggcaa gccctccgag aagaacctct acgccgacat cgacgccgcg 360
tggmagggcg tcgcgcacccg gtatggcggt agtcccgaga acattatcct ctatggtcag 420
agcattggga ctgtccccac ggtagacttg gcctcgaggt atgaatgcgc agggtaattc 480
tccattcccc tctgatgtct gggttgcggt tggcttttcc ggataccagg aaacataact 540
gctttgatgc ttcccccagc attgacaaga tatctaaagt cacctctcct gtgttggtca 600
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gtccccgagc cgtggagccc ctttggtktg aaggggctgg gcataatgac atagagcttt 720
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gacaacaact tgatcttacc tcatttactg tgaacagaag agtccctctg tttgcacatg 840
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ttctaataca agagctgatg aaatctcagt cttttgtatc tagaggtggg tctgctaatt 960
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tctggttggg ttaacaaaga gcctagctga ctttccttct gtaaagtcct ccttgtaggc 1500
ttttttaaag tactgtacat atttgcaatc acattgtgca tagattctta atggtagata 1560

```

937

```

tgatttcctt  tgtcaggcta  caacaatgaa  ctgcagattc  cttgtttgta  atgtaaata  1620
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atttccaaga  caaaaattcc  aagtttatgc  tttgaagaat  ttatgtaatt  aaaatttcac  1740
taaactaatc  tttttagttt  aggaattatt  tgggttttga  cactggaagt  tgcgccaaat  1800
aagcatcaga  aataggagat  gcttaacatt  gctatactac  ttgtgttggt  taggggtttg  1860
gatttggggg  ttctttgggt  ttaatttttt  tttccacatt  taaaagcctt  aaatgtactg  1920
taagcctcag  atcgttgtac  aactggactg  cgggttgattg  ccagtttgtg  tactgttgct  1980
tggatgcggc  acagtgggtg  gtaatggaat  aaaggatgca  tggatcagaa  aaaaaaaaaa  2040
aaaaaaaaaa  aaaaaaaaaa  a  2061

```

<210> 1506

<211> 2396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 1506

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cgctgccccg  catcgtgccc  gccgcccgga  aggccaccgc  tgcggtgatt  ttcttgcatt  120
gattgggara  tactgggcct  gttaggcctg  ttacattaaa  tatgaacgtg  gctatgcctt  180
catggtttga  tattattggg  ctttcaccag  attcacagga  ggatgaatct  gggattaaac  240
aggcagcaga  aaatataaaa  gcttttgattg  atcaagaagt  gaagaatggc  attccttcta  300
acagaattat  tttgggaggg  ttttctcagg  gaggagcttt  atctttatat  actgccctta  360
ccacacagca  gaaactggca  ggtgtcactg  cactcagttg  ctggcttcca  cttcgggctt  420
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gggattgtga  ccttttggtt  cccctgatgt  ttggttctct  tacggtggaa  aaactaaaaa  540
cattggtgaa  tccagccaat  gtgaccttta  aaacctatga  aggtatgatg  cacagttcgt  600
gtcaacagga  aatgatggat  gtcaagcaat  tcattgataa  actcctacct  ccaattgatt  660
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ttctatacat  gtattcttat  aagacgaccc  aggatctact  atattagaat  agatgaagca  900
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tagacagcta  ctgtcaatac  atgctgtaat  ttgacattct  gggtcacaga  tataagggtat  1440
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938

```

tcgaattact gtaccttata caaatttaca cctagctatt aggatcttca acccaggtaa 1560
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tctagtatgt tctgaaatat ctttaagact gatcttaaaa actaacttct aagatgattt 1680
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agcaaaaatg tatgcttgat atttctcaac tgtgttaatt tttctgctgt attccagctg 2040
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ttagtaatgg actatacagg atgttaataa tgaagccata tgtttatgtc tggatttaaa 2160
aattttaaac aatcattttac tatgtcattt ttctttacct tgaagaacat aaactgttat 2220
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tgctgtaaca tgggaaagtg taaatgtttt tcatggtttc tatcaatgtg aaataaaaatt 2340
taattctgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggcg gccgct 2396

```

<210> 1507

<211> 1153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<400> 1507

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accatcacga gaggcacgac tggtagcct gcagtaccgg tccgggaatt cccgggtcga 60
cccacgcgtc cgctgagatt gctctgcctt cttccacag gactgcctgt tcgcagcgtg 120
gattttaacc gaggcacgga caacatcacc gtgagcagg ggacacagcc atcctcaggt 180
gcgttgtaga agacaagaac tcaaagggtg cctggttgaa ccgttctggc atcatttttg 240
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aatacagcct ccgaatccag aagggtggatg tctatgatga gggttcctac acttgctcag 360
ttcagacaca gcatgagccc aagacctccc aagtttactt gatcgtacaa gtcccaccaa 420
agatctccaa tatctcctcg gatgtcactg tgaatgaggg cagcaacgtg actctggtct 480
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gcaaatatga gtgcaaagct gccaacgagg tctcctcggc ggatgtcaaa caagtcaagg 660
tcactgtgaa ctatcctccc actatcacag aatccaagag caatgaagcc accacaggac 720
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ctctgtctcg ccttctcagc aaatgttaat agaataaaaa tttaaaaata atttaaaaaa 1140
cacccaaaaa aaa 1153

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<210> 1508

<211> 652

<212> DNA

939

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (637)

<223> n equals a,t,g, or c

<400> 1508

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cccacgcgtc cggcggagaa ggaccccggc cgctcagccc cgggcgcgcg ctccgcagcc 60
gcggccctga agcagctggg ggactcaccg gccgaggaca agtccagctt caagccctac 120
tccaagggct ccggcggcgg cgactcccgc aaagacagcg gctcctcctc ggtgtcttcc 180
acctcctcct cgtcctcctc gtccccggga gacaaggcgg gcttcakggg cccagcgcgc 240
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cccggcggct cccgcggcgg ctccccgcac cactctgact gcaagaacgg cggcgggggtt 360
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gggcgcaagt ccgagccgcc ctcggcgctg gtggggggccg gccacgtggc gccgggtgtct 540
cctacaagcc gggccaactc gtgttccccg tncgccttc agcattggt accacggctn 600
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<210> 1509

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

940

<221> misc feature
 <222> (1218)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1226)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1227)
 <223> n equals a,t,g, or c

<400> 1509
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 aggactccct tagaatggga aagaaaaatc ataaaaatatt gagctgatgc ctgtatatag 180
 aaattaagcg tttctcgaaa gctgttctat gttttgctgt tatttttagtc tttattctct 240
 tccttttaggt ggagaaacaa agtaccaatt tgaagggatt ttttttattt tgtcttttgg 300
 tttctgtcag tagaaataac catatgtgct aaccaaattt ctgtgaagaa tgttttcatg 360
 gttatcatta tatctaacta taacctcccc catagttagt aagagtaacc tgaaatgcca 420
 ctattgtgga aataggataa ttgtaattgt gaaaaataa ttttaaggaa atcttacaag 480
 tattacatta aaaagatact atgactgcca cctgccattt accttctaata aacctgcca 540
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 aagatgccct gatttgtaca gattgaccac gggaatacta ctgccatgta atctgtatag 840
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 aaaaaaaggg sggccgcncct aggggncca 1230

<210> 1510
 <211> 1013
 <212> DNA
 <213> Homo sapiens

<400> 1510
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 gctgggtccc atctaaaggc ctgacactgc agtgaagggc atgctaagtc taggcacagg 180
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 acccaatctt ggagaggtgc aaaaagcact gggggctacc cgttagctgc atctgccctg 360
 gctgtttgcc cgttcatgtc acaaactgcc actactatgt acctgcagtg gggttgcaga 420
 gatgggggag actcaagtct tactccccag gagctccag ggcccaagga ggagaatgct 480

941

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gcctcctttc agtctggtct acaccactt tctggtagcc tctctgcttc ctgtaattct 540
ggctgttttt ccagactcag ctcaaatagt gcccctcctt aagcccatcc ctgccccca 600
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ttaacctggg ttcttgatg taaactcctt gagggcaaga acatgtttga acataaaaaa 960
aaaaaaaaaa aactcgaggg gggeccgtcc caattcgccc tatagtgagc gat 1013
```

<210> 1511

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1511

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gaggccattc ttgatgttgc ttctagatct catgtcatca ccgagccctc agctgctggg 180
ggcagctgct cagcagaccc ttggcatggg aaagagacgg agtccacccc aagccatctg 240
ccttcaactta gctggagagg tgctggctgt ggcccgggga ctgaagccag ctgtgctcta 300
tgattgcaac tgtgcagggg catcagagct ccagagctat ctggaggagc tgaaggggct 360
tggtctcctg acttttggac ttcacatcct tgagattgga gaaaacagcc tgattgtcag 420
tcctgagcat gtatgtcagc acttgagaca ggtgct 456
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<210> 1512

<211> 2167

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1745)

<223> n equals a,t,g, or c

<220>

942

<221> misc feature
 <222> (2063)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2112)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2156)
 <223> n equals a,t,g, or c

<400> 1512
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 gtgatacatg aaaagataat gaacaccttc gtcattagggt aaatacgact cagaaccaca 180
 gtttagaggac gagtgttggc aaggatgtgg agaacttggg gctgtaaaat ggtgcagctg 240
 ctttggaaaa caatctagca gttcctcaga angttacca aaggtcatat agagttaccc 300
 tatgaccag caatttctact cctagctata taatcacaca aaaaacacaa atgttcatag 360
 cattacttat aatagcctaa aargggaaac aacccaaagt gtccatcagt taatgaatgg 420
 ataaagagtg tgcattcatt catacagtag gatgttactt ggcaataaaa aggaatgaag 480
 tattcataca tactgcagta tagatkaacc ttgaaaacat gcggagtgaa araaacccaa 540
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 atggagacag aaagtacaga ctggtgactg ctaaggatgg gacaggggga atgagcacta 660
 gtcagtatac ggtttctttt tggggtggta aaaatgttct gtagtggtga tggttgcaca 720
 actgagtata ataaaacata ctgaattaty tattttaaaa gggttaaggct ggactcagtg 780
 gctcacgcct gtaatccag cactttggga agctgaggtg caaggattgc ttgggaccag 840
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 caaatgata ttctcaatg actattttta cgattaaata actgacagat atttaagaa 1200
 ctgtttgaag aaggtttaaa cattcaaaag caaagattac gagacctag aaactatgcc 1260
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 gagagaagac taataaggca atccatctat gacccaagac atttttatcc tatgatttta 2040
 acttttagtta ggtctctgta agngctggct gttgctagat tttttgaaaa ttttgggagg 2100
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943

tgctgtg

2167

<210> 1513

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1513

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cgctcacctc tcccttcccc aacccttctc tacttggtcg ctgtttttaa gtttggaagg 60
aagaaaaata ggtgtataaa atgttttcca tgagaaacca agaaacttac actgggttga 120
cagtggtcag ttacatgtcc ccacagttcc aatgtgacctg ttcactcacc tctcccttcc 180
ccaacccttc tctacttggc tgctgtttta aagtttgccc ttccccaat ttggattttt 240
attacagatc taaagctctt tcgattttat actgattaaa tcagtactgc agtatttgat 300
taaccaagct tctgcagatt ttgtgattct tgggaccttt ttgacgtaag aaatacttct 360
ttatttatgc atattcttcc cacagtgatt ttccagcat tcttctgcca tatgccttag 420
ggcttttata aaatagaaaa ttaggcattc tgatatttct ttagctgctt tgtgtgaaac 480
catgggtgtaa aagcacagct ggctgctttt tactgcttgt gtagtcacga gtccattgta 540
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tagrggattt twatacatta atcttgatct ggtttaatct tgatctgggt tagtagagat 780
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```

<210> 1514

<211> 1364

<212> DNA

<213> Homo sapiens

<400> 1514

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gaatcccaact cccttctccc acttggttaat tagttacata cttttttgta attgtttatt 60
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ctgcacacccc agaatctatt acagatcctg gcatgtagct gatgcataaa tatttgttga 180
atgaaagtct gtacattgta tttatgctat tggatttgct atgacctgaa actaaaagga 240
gttgtggaaa agatttctta tgggaacagaa atatcccttt tgattaatat cacaatctcg 300
taaattgaga aaacaaawaa tatatactac tggagcattc atgtatagtt ggagattatg 360
actcatttat tgggtgtgtt ttggactcag aacaaagatg agggaaatatt ccttaaagct 420
ctgtattgaa ataacgaaaa gcagtcacat ttaataata gaagcttctt agcttactct 480
ttctgtaatc ttcttttctt aaatgtaaga gagcctcata attatgaggc ttattactag 540
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atgtatgggtg ggggacagaa ggtttcaaaa gtttaagaat ctgtgttggt ttaacaaata 660
gatgtctctc aaggasstta cgytagtggt tactctgtcc agtcagggtt tttctctctt 720
taacttgggt tcatttctct atggcacaca tgaagtttgg atcatatggt ttgactttag 780
ctatggtcct tagctatggg gagcagcatc agcgacctgt gacatgtaaa ttaaaaatac 840
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accacttaa aaacccttct tattacaggt cttcacattt aggcttaatg tgcttaattc 1260
aaatgtaaaa atacacctgc ctttgttctc agtgaaagta tgtaataaat aaatgagggg 1320

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944

ttggcaaact actgcccacc atctgttttt ttatggccta tgaa

1364

<210> 1515

<211> 1493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<400> 1515

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cacccggcct atattgtttt gaaagcatatc tctatatata gttaygggca gaggcacagg 120
catcctcagc agctgattca ggagatgatg gtaaagctag ctaactatga attaaacatt 180
cacatatcca gtctacctgg tccagtaata atacaagcaa atcttgtatt tcaggaacaa 240
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tttcaaattg aggaggagag tcttggatgt atgttttaat atgtatacct tataattctg 360
cctctagcca aatgctatgt ttgcaaaaatg tggcatctgt tagtttttat tgtctgtgtc 420
ttctttgttt actatacctt gggttaatttt gtgttaccaa aaaaaaaaaa aaaaagggaag 480
tgtaatgtca gacacacaag aaaagcaaat cagtgttgta agcttaaagt acaatttcaa 540
aggtcattac caacagcagg gtttttttta tacttttaaa acattatgct acatatcatt 600
gccattttca tattttgggg ttttgtctact cttatacaat ggaatcaatg gaaatgtcat 660
ccagccactg aattgccatt attatatcta aaaagtttct aagatgacag ttatcactat 720
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atgttactga tgctgtaaat tatttttaat aaagaaaaat gtattatcaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggccntt tna 1493

```

<210> 1516

<211> 2109

945

<212> DNA

<213> Homo sapiens

<400> 1516

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agcactagct ttgacatcca cgggtgagctg caggggaagca tcacacacca gccagcatgt 60
gagcagaggg aggcagttgg ggttgaactt cgggaactagg ccgggtctyc tgacagatca 120
caagacaccc cagaggatct tcagcagtc tcttcccat tctctataga gctttgaagc 180
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tctstcctaa gctacctctc tgggtccaca gaagacttgg tagtatagtg agaattggcta 420
tacgtgagta caaacrtgga ttttccaggg cttgggaamt gattccttgag cccagaagag 480
ccamgcctgc tttgaggtct tttggagtgg agatgcagcc ctgggaaatt tggggagtca 540
gcaggccagt gtgaagctat tggtcctagg agtatatgag cttgctgttt ctttgatgga 600
aaatacatgc ttctcttgta tactcagaag tgactaaggg caataactca ttaatagcca 660
tctatccaac ttctttactg agtgatgtat tccatggggg tacctttttc agattattga 720
gttgctctgt aagcactaaa acttttttaat cattttttaag aaacttttta gattgtatta 780
caaatttgcc ttaacagtaa ttagatgttg aatataattt taacatttta ttaatgactt 840
gggtcatcag ttaataccag tactaaaacc atacgaatta ttggtttatt ccagaaaata 900
cagtatttgt tctattttta ggtagacaat catttgggat cagagtacat tagcatagta 960
atgctcagtc agacctgttc aagtagtaga gcttgagaaa tgccatgaaa tacttatata 1020
attaatttga ttgcatgaac taagcaattt tactaatgaa aaggttgtat atgtgcaagt 1080
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atttgataaa aaccggcctc attatgtaag aaagaaaatg ttacgtgttt tcttcttttag 1320
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tattctcagt gttcctactc tgcattgttt acatttttga cagttttttt taatcaccta 1740
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aacttgacct tttgataatc gctcttacag gtcattgtct gttctaacag caaattgtaa 1860
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atgttcacat actaatgggtg cacagggtgt tttttctata aatcttctga ctgtcctgta 1980
attcattctt aagctttaac ttgaagggtat cgtaattgcc ggcatttgat gtttagcaat 2040
aaaagaataa atgtgtacca gcatttttatg tttaaaaaaa aaaaaaaaaa actcgagact 2100
agtctctct 2109

```

<210> 1517

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1517

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gcttctccaa atcaaaccac agtatatgtt gtaacaatat ctatgaccac tgtagccca 60
ttatattcat tccaattaga agaaatgtga atactatatt ccgtgttttg agtgacaagt 120
ttcgaaaaat aaaaayacwg trttttttaa agggaaatgc acttaaatga aaacagttat 180
tacaaaagtt aagattttaa aagaaaaagc aagagttttt attatgatgk aataccagta 240

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946

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gaatattttaa aaggcacacc acatctgaat aatcaatgta aatattttct ttcaaagttg 300
taagttttca tatcatgtgc tgtaaagttt tcctaaatga ggctttaacg taaacactgg 360
tgacataaac cattcattgc tacgttgctt attgtgtttt tatgctgttt tatacttttt 420
tatgagttat gatagcagca attaagttgt ttgtattttg cttaaactaaa acaaaaatgc 480
ttttatcttg ctatagaata aacacatttc agtaaaaact gtggactgta ttttgatgca 540
acaacaaaga aactgttcac ttttcaaata aaatgatatg tcagaaaaaa 590

```

<210> 1518

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1518

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cgtggctgag gggacccggc gcgggaggag cgggcgcggg cgcgaaaggg agatctttgt 60
gagtgatattt gcaaaaatag attgcgaggt tggttggatt tgcaacctgt ggctctcttc 120
gagggagtaa gaatggggga aggcgcggcg gcggcggccc ggggagggag tgggtagagt 180
tggagcctca gaaatcggct gagctccggg ggcgggcggg gagaaagggc gggggggcag 240
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gtgggttgcg ttgcctttat gatgccgtgt tattggaacc ctggcgaaaa atggaactag 360
tgttgcaata atgagtttta aagctcccc atggaaaaca aaaacacaac caaaccgatt 420
tttta 425

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<210> 1519

<211> 1186

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1177)

<223> n equals a,t,g, or c

<400> 1519

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ggaaaacttg aagtccaagc cgtgctgctg attccgtctc acagttttaa gactgtccag 60
aaactttaag ctttcaaaac tgtacatttt aaaatcctgt gcgtttatct tcattttgct 120
gggcagaaaag ccaaagtact ggactgcctg gttcaggggt gaacgcctag tacacctgct 180
aacttgagc ttcagagcca tggcaaccaa ggagtcaaga gacgccaaag cacagttggc 240
cctctcctca tcggccaatc agagcaagga agtgccctgaa aacccaaact atgctctcaa 300
atgtactctt gtgggacaca cggaagcagt gtcatcagtt aagtttagtc ctaatggaga 360
atggctagca agktcttctg ctgataggct aatcataatt tgggggagca tatgatggaa 420
aatatgagaa aacactctat ggtcataatt tggaaatata ggatgttgcc tggkcatcag 480

```

947

```

attcmagkcg ycttgkttct gcctyaratg ataaaactct aaaattatgg gatgtgagat 540
ctggaaaatg tttgaaaaca ctgaaggggc acagtaatta tgtcttttgt tgtaacttca 600
atccgccatc caaccttata atctcgggat cttttgatga gactgtaaaa atatgggagg 660
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ttaaactatg ggattatagc agaggcaggt gcctgaaaac atacactggt cataagaatg 960
araaatattg catatttgcc aatttttcag ttactggtgg aaagtggatt gtgtctggtt 1020
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acaaggccat acagatgttg tgatctcagg cagcttggtc atcctacagg aaaacctcat 1140
cggcntcagc aggcnttagg gaaaatggac aaaacantta aactgt 1186

```

<210> 1520

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<400> 1520

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tcgaccacg cgctccgaca agargaccaa acatgtacca agtggtgctt ctgtttgttg 60
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acaaccctga agagggcaga gagccacata atgacaggcc tgtgagcatg gcctttgggt 180
gccagccaga gcatgtgtat gctgagtgtg gaaagaccta cagaccgcc ccaaccccc 240
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aatncttggt tgtcttcctt atttccattt ccagaagact tttttccact ccacttttcc 360
ttctctcgca atttgcaatc cctttgttgg ctttataagt tattaagctt tttccactcc 420
tgggtgggtt tttccccccta gcnagctccc ctganccag 460

```

<210> 1521

<211> 1672

<212> DNA

948

<213> Homo sapiens

<220>

<221> misc feature

<222> (1583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1645)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1663)

<223> n equals a,t,g, or c

<400> 1521

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ccagcctcca ggcacccggg atccagcgcc gccgctcata acacccgcga ccccgagct 60
aagcgcagct cccgacgcaa tggacccggc gctggcagcc cagatgagcg aggctgtggc 120
cgagaagatg ctccagtacc ggcgggacac agcaggtgg aagatttgcc gggaaggcaa 180
tggagtttca gtttcctgga ggccatctgt ggagtttcca gggaacctgt accgaggaga 240
aggcattgta tatgggacac tagaggaggt gtgggactgt gtgaagccag ctggtggagg 300
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cggaggcgagg gaggtctct gtnttttcca gggccctggg cagggccatc ctggccattc 1620
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<210> 1522

<211> 588

<212> DNA

<213> Homo sapiens

949

<400> 1522

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aggcgtatac caccatgact gaaaacaaaa gacttttttt tgagactccc tctcaaaaac 60
aaaaacaaaac aaaaaaatta gacaaatgct acattaatgt ttgggtgggc agattctact 120
ttgaatctga agtttgcaga tatgcctata gattttttgga gtttaccact ttcttattct 180
gtatcattaa tgtaatatatt taaattacta tatatgttac catttttctg gatttagtaa 240
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catttttttc attactgtta tattttaacc tgactgactg atctaattgt attagtattg 360
tgaataatca tgtgaaatgt tttgagacag agtactatat ttgtgaatat aattttatgg 420
tttttttcac ttagaacctt tctgtgtgga aaactaagaa aattgctttc tgctgtataa 480
tctggcattc attgtagatt aaagcttatt tttctgtgaa taaaacgtat tcaataaaat 540
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```

<210> 1523

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (503)

<223> n equals a,t,g, or c

<400> 1523

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cggcacgagg attttactga tactgcttat ctgttttaaaa ttcagataga aagtctgaat 60
gacaaattac aaaatgctaa agaacagctt cgagaaaaag agtttataat gctacaaaat 120
gaacaggaga taagtcaact gaaaaaagaa attgaaagaa cacawcaaag gatgaaagaa 180
atggasagtg ttatgaaaga gcaagaacag tacattgcc a ctcagtacaa ggaggccata 240
gattttggggc aagaattgag gctgaccgg gagcagggtgc agaactctca tacagaattg 300
gcagaggctc gtcacacagca agtccaagca cagagagaaa tagaaaggct ctctagttaa 360
ctggaggata tgaagcaact ctctaaagag aaagatgctc atggaaacca tttagctgaa 420
gaactggggg cttctaaagg acgtgaagct tatttagaag caagaatgca agcagaaatc 480
aagaaattgn cacannaagt agnaatctct tcaaagaagc 520

```

<210> 1524

<211> 2791

950

<212> DNA

<213> Homo sapiens

<400> 1524

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gtcacctgac acctcaccgg tccggaattc ccgggtcgac ccacgcgtcc gcccacgcgt 60
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cctggaatgt aaattgacta agaggaattc aataatggtc aaatgaatgc agaatttttag 180
agtcttgctt agtattctca ccacatttcg tttartctac tcatactctt tttctcttac 240
tgctgacact agatggaaaa actcttaatt aaaagtattt cacaaaatgt gctcgttttc 300
agtcattccg tttccactcc agcctgttgt gttgtttttt tgaaataata atttaaagta 360
attttccttt tgcaggatgg catagtcaat ccaacaataa gaaaagattt gaaaactgga 420
ccgaaattct actgctgtcc aattgaaggc tgccccagag gccctgagag accgttttct 480
cagttttctc tcgtaaaaca gcactttatg aaaatgcatg ctgagaagaa gcacaaatgt 540
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gaaccatctt ttgaagactc ttgtggctct aacactgaca agcagactct tacaacacca 900
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tttcatgtta aaaaaaaaaa aaaaaaaaaa a 2791

```

951

<210> 1525
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<400> 1525
gggtcgaccc acgcgtccgc ccacgcgtct gccaaatact tgctyaaact atttgacatt 60
ttctatcttt gtgttaacag tggacacagc aaggctttcc tacataagta taataatgtg 120
ggaatgattt ggttttaatt ataaactggg gtctaaatcc taaagcaaaa ttgaaactcc 180
argatgcaaa rtccagagtg gcattttgct actygtgtctc atgccttgat agctttccaa 240
aatgaaagtt acttgaggca gctcttgttg gtgaaaagtt wtttgtacag tagagtaaga 300
ttattagggg tatgtctata cracaaaagg ggggggtcttt cctaaaaaag aaaacatgat 360
gcttcatttc tacttaatgg aacttgtgtt ctgagggtca ttatgggtatc gtaatrtaaa 420
gcttggatga tgttcctgat tatctgagaa acagatatag aaaaattgtg ycggaacttaa 480
ataattttcg ttgaacatgc tgccataact tagattattc ttgggttaaaa aataaaagtc 540
acttatttct aattcttaaa gtttataata tatattaata tagctaaaat tgtatgtaat 600
caataaaacc actcttatgt ttattaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaana 687

<210> 1526
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<400> 1526
ttcaccataa tagttctaata taaaatgggc cttgctgtag gagagacaaa ggggcttttc 60
ctctagctgg taactattca gatgatggac aagtcttctt tcataaaaga ttacaaagaa 120
ggcatccgaa tcaactgtctg tgatactggg tcacatatta atcactgcag ctaattgtaa 180
atcttyctat gaaacactga aaagcctctt tgtgaattaa tacagtctctg cttgatgcac 240
ttgatttgaa aagacatttc tctgtatgtg gcgcatgtcg gctttgcttt gaaaaataac 300
aaagtttagca gaatatgttc aatataatctt cttggggaat aggggttttta ttacatgatt 360
cattaaggat ttgccttacc ctgacatttg tgatataaaag gaaaaatcaga aaaaaagtaa 420
ttttcttgat caagatatgt ttttacttaa tgcaaataaa tgtagtctgt tgcttgcaag 480
gaaaaaaaaa tggcttctga tatctgggat aaactgctaa ataggataat acgtgcctct 540
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gtgccataca ctaaaaaaca actgttgccct tcatactata tttgttagag cagaatacaa 660
ataaaatttg agaggatwat gtgaaaatta taattaaaag ggcggccg 708

<210> 1527
<211> 618

952

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1527

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ttcacacaat atgggggcagc atgcttttgt gacttttaaaa tagatcaagg aacttttgct 60
tttgaagaga gaaatttcct tggncctggtg acaagagcag tagatgtgcc caagagtaag 120
gatgtgtgtt gtccttgggt tagccactgt aggtttataa cctggtagga aattttcata 180
ggaagggcca aaaattcaag atgctcattt gcaagttgtc ttctagggtg ttgcctgaac 240
ctaggctgca gtagaagtgg ggcttggagg taggcgatat tgaaatccca ggttaatgct 300
aatctccatc tcagatccag gacaatgcag accagcttcc ttttgggaaa tggaggttct 360
tarttaatat gttctggctc ttacatttct gataccgcta ctggtgcca cctaaatcag 420
cagcctagtt ctcagcagaa ggcagcagag gatggcaagg ttggagggtg gatagaagct 480
gtgggagttg ggtggctcct gtctgcacac tggacaaggg gcaccctgag aaaaataatt 540
ctttaaaaaa ttaaaaaaaa aataagctgt gggagttgag ggtttaattg cttggccact 600
tggccttctc ctcgtgcc                                     618

```

<210> 1528

<211> 1103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1074)

<223> n equals a,t,g, or c

<400> 1528

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cgcaagccaa acgggttttg aggaccctct tcgccttcgg agagcagagt caacacggag 60
agttttggga ctggaattaa ataaagacag agatgttgaa agaatccacg gcggtggaat 120
taacaccctt gacattgaac ctgttgaagg gagatacatg ttatcagggtg gttcagatgg 180
tgtgattgta ctttatgacc ttgagaactc cagcagacaa tcttattaca catgtaaagc 240
agtgtgttcc attggcagag atcatcctga tgttcacaga tacagtgtgg agactgtaca 300
gtggtatcct catgacactg gcatgttcac atcaagctca tttgataaaa ctctgaaagt 360
atgggataca aatacattac aaactgcaga tgtatttaat tttgaggaaa cagtttatag 420
tcatcatatg tctccagtct ccaccaagca ctgtttggtg gcagttggta ctagaggacc 480
caaagtacaa ctttgtgact tgaagtctgg atcctgttct cacattctac agggtcacag 540
acaagaaata ttagcagttt cctggtctcc acgttatgac tatactcttg caacagcaag 600
tgctgacagt agagtaaaat tatgggatgt gagaagagca tcaggatgtt tgattactct 660
tgatcaacat aatgggaaaa agtcacaagc tgttgaatca gcaaactg ctcataatgg 720
gaaagttaat ggcttatgtt ttacaagtga tggacttcac ctctcactg ttggtacaga 780
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atttgttttt gtaccatatg gtagcaccat tgctgtttat acagtttact caggagaaca 960
gataactatg cttaagggac attataaaac tgttgactgc tgtgtatttc agtcaaattt 1020
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tgaaccagtt cctgatgatg gtg                                     1103

```

953

<210> 1529
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<400> 1529
taaaaaaagn ggggttttaa cgggcccccc tttggggccc aaaggagggt tttaaccccc 60
cggggggggt tcccccggg ggggraaaaa attttttccc ccccccggg ggggggggtt 120
cccgggaaac cccccccaa aaccggggcc cgggktttcc ccccgggggg ggggcctttc 180
ccaaaatttt tttttgcca aaacnnttcc caaaaaattt 220

<210> 1530
<211> 438
<212> DNA
<213> Homo sapiens

<400> 1530
gaggggaggc gggctagtaa ccatagcggc tcgcgtgggt cggctggcaa gtaaccatag 60
cggcgagcgt ggggcggagt gtggctcggg agtcctctgc gtgccctcct gggagctggg 120
tgctgtgagt cctcccttag cgggctgggc tcggcgcgga gtcggcgccg aaccgagct 180
gctgctctgg ggcgtgtgcc tagggcgagc ggctggagcg cggggctgcg cggttgctcg 240
cgstccgctg aggtctctag gaaagggggc gatttgaggg ttccgcccgt accgcttcca 300
rcggcgagca cgcgcgtctt ggaccagagc cgttgcccgc tgtctcgtca cccgaagcct 360
cctcctgacg ccgtgctagt gcgaggggtc ccagggggat tcggggcaca agtcggggccg 420
gagcatccgg gcggccgc 438

<210> 1531
<211> 2062
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1022)
<223> n equals a,t,g, or c

<400> 1531
gccccagcgt ccgcccagact cggagccccct cggcgggcgcc cggcccagga cccgcctagg 60
agcgcaggag ccccgagcga gagaccccaa cgccgagacc cccgccccgg ccccgccgcg 120
cttcctcccc acgcaragca aaccgcccag agtagaarat ggattggggc acgctgcaga 180

954

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cgatcctggg ggggtgtgaac aaacactcca ccagcattgg aaagatctgg ctcaccgtcc 240
tcttcatttt tcgcattatg atcctcgttg tggctgcaaa ggargtgtgg ggagatgarc 300
aggccgactt tgtctgcaac accctgcagc caggctgcaa gaacgtgtgc tacgatcact 360
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cgctcctagt ggccatgcac gtggcctacc ggagacatga gaagaagagg aagttcatca 480
aggggggagat aaagagtga ttttaaggaca tcgaggagat caaaacccag aagggtccgca 540
tcgaaggctc cctgtggtgg acctacacaa gcagcatctt cttccgggtc atcttcgaag 600
ccgccttcat gtacgtcttc tatgtcatgt acgacggctt ctccatgcag cggctggtga 660
agtgcacgc ctggccttgt cccaacactg tggactgctt tgtgtcccgg cccacggaga 720
agactgtctt cacagtgttc atgattgcag tgtctggaat ttgcatcctg ctgaatgtca 780
ctgaattgtg ttatttgcta attagatatt gttctgggaa gtcaaaaaag ccagtttaac 840
gcattgcccc gttgtagat taagaaatag acagcatgag agggatgagg caacccgtgc 900
tcagctgtca aggtcagtc gcyagcattt cccaacacaa agattctgac cttaaataca 960
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gtagattcca ctgagacccc aggtgttag gggttattgg tgtaaggtag tttcataatt 1140
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ggtcttttgg ttatgaatac tttgcagcac agctgagagg ctgtctgttg tattcattgt 1560
ggcatagca cctaacaaca ttgtagcctc aatcgagtga gacagactag aagttcctag 1620
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aatacagact ggatgtacca ccaactacta cctgtaatga caggcctgtc caacacatct 1740
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tgaaatatac tataacagtg aaagatagaa gcyaaaggta gataatatga gcrtctakag 2040
gaagrattga aacccccctt tg                                     2062

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<210> 1532

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 1532

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cccgcgcgag gcgaagtcgc tgagactctg cctgcttctc acccagctgc ctcggcgcgtg 60
ccccggtcgc tcgccgcccc tccctttgcc cttcacggcg cccggccctc cttgggctgc 120

```

955

```

ggcttctgtg cgaggetggy cagccagccc ttcccccttct ntttctcccc gtccccctccc 180
cccgaccgta gcaccagagt cgcgggtcct gcagtgcgcc agaagccgca cgtataactc 240
cctcggcggy taactcattc gactgtggag ttcttttaat tcttatgaaa gatttcaaat 300
cctctagaag ccaaaatggg acacagtaaa cagattcgna ttttacttct gaacgaaatg 360
gagaaaactgg aaaagaccct cttcagactt gaacaagggg atgagctaca gttccgatta 420
ggcccaactt tacagggaaa agcagttacc gtgtatacaa attaccatt tctggagaaa 480
catttaatag agaaaaattc cgttctcagg attgggaaaa tccaacagaa agagaagatg 540
attctgataa atactgtaaa cttaatctgc aacaatcggg ttcatttcag tattattycc 600
ttcaaggaaa tgagaaaagk ggtggagktt acatagtgtg gsmccccatt ttacgtgttg 660
ktgctgataa tcatgtgcta cccttggact gtgttactct wcagacattt ttagcwaagt 720
gtttgggacc ttttgatgaa tgggaaagca gacttagggg tgcaaaagaa tcaggctaca 780
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ttttctctg tgatgttgca gaaggggaaat acaaaagaaa gggaatacct gctttgattg 1140
aaaatgatca ccatatga 1158

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<210> 1533

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 1533

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gggtgttcac tattgtgaat ttataatctt aaaagttggg gatgctaaaa gtaccagact 60
aaaatamtac gaggttttct catcttttaa ttccattttg ttagaaaaaa atartcacia 120
ccgggggttct tttaccttc cccagccatc tagactgctt tactgcaatg ttgggaagat 180
tgcatacaat aaaaactgta gctagtgtgat tgggatttgg gaaaattgaa tcaagcattt 240
gcattcatcc agaatgggtc taaactgctg actgtggggg gccacagga tgagcactgg 300
tggcatgggt gggaggaatt tccttggata ctgcaattgc atttgaaaga tctattttcc 360
aaaacctgag cagagagagg ctaggaggaa tgcagacagg acattgaaaa tgcaattcc 420
ctttactagt agaacatgaa atatctgata aatggtttaa aaaaaataag tgccaggata 480
cattgtagta taaaggttca actagtataa tttaaaatga gtctttatat tcaggnccag 540
gtgcgggtggc tcacacctgt taatnccag cacttt 576

```

<210> 1534

<211> 901

<212> DNA

<213> Homo sapiens

956

<400> 1534

```
gtgcgcgcgcg gtcctgcggc agctggccca agaccggag ccgaaaggaa gtgttgagc 60
ctgaggtcgc tccggccgct aggaggacgc tgtgcctggc ctgggacctc cgctcccgc 120
caccgccctg gagccgctga gggacgtcca cgtgggacctg tccccgccga gccgcggccc 180
tgtccgctgg cgctgctctc gggccactac ctctactacc actacggctg cgacggcctg 240
gacgaccgcg gctggggytg cggctaccgc actctgcaga cgctgtgctc gtggccagag 300
ggccagcccc cgggcgtacc tggactggcc gccgtacagg cggccctgga ggacatgggc 360
gacaagcccc ccggcttccg gggctcccgg gactggatcg gctgcgtgga ggccagcctc 420
tgctctgctc acttcggagg gccccaggga cgctctgccc acgtaccccc gggagtgggg 480
ctgcacgggg agstggagag gctttactcg cacttcgcag ggggtggggg cccagtcag 540
gttggggggg acscagatgc cagggtccaag gccttgctgg gartctgctg cgggtcaggc 600
acggaagcct atgtcctggt attggaccct cactactggg gcaactccaaa aagccccagt 660
gaactacagg ctgctgggtg ggtgggctgg caagaggatga gtgcagcctt tgaccccaac 720
tccttctaca acctgtgctt gaccagcctt agctcccaac agcagcagcg caccttggac 780
tgaggacgaa gttacagaac tgagattctc ggggtcccaga cacgcaccta tgtacctccc 840
actggtgtcc ctgcaaagcc tggcgctttt gacatcaata ataaaagtgg cagggtgag 900
c 901
```

<210> 1535

<211> 1152

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1147)

<223> n equals a,t,g, or c

<400> 1535

```
caccncatt aagggancaa agctggtgct ccaccgcggg ggcggccgct ctagaactag 60
tggntcccc gggctgcagg aattcggcac gagctctttc aggttttaat agatattcaa 120
```

957

```

gaatTTTTatg aagtGacctt actggataat ccaaaatgta tagatcgttc aaagccgtct 180
gaaccaattc aacctgtgaa tacttgggag atttccagcc ttccaagctc tactgtgact 240
tcagagacac tgccaagcag ccttagccct agtgtagaga aatacaggta tcaggatgaa 300
gatacacctc ctcaagagca tatttcccca caaatcaca atgaagtgat aggtccagaa 360
ttggttcatg tctcagagaa gaacttatca gagattgaga atgtccatgg atttgtttct 420
cattctcata ttccaccaat aaagccaaca gaagctgttc ttccctctcc tcccactgtc 480
cctgtgatcc ctgtcctgcc agtccttgcT gagaatactg kcatcctacc caccatacca 540
caggcaaatc ctcccsagt actggtcaac acagatagct tggaaacacc aacttacgtt 600
aatggcacag atgcagatta tgaatatgaa gaaatcacac ttgaaagggg aaattcaggg 660
cttggtttca gcattgcagg aggtacggac aaccacaca ttggagatga ctcaagtatt 720
ttcattacca aaattatcac agggggagca gccgcccaag atggaagatt gcgggtcaat 780
gactgtatat tacgagtaaa tgaagtagat gttcgtgatg taacacatag caaagcagtt 840
gaagcgttga aagaagcagg gtctaytgta cgcttgatg taaaaagaag gaaaccagtg 900
tcagaaaaaa taatggaaat aaagctcatt aaaggtccta aaggtcttgg gtttagmatt 960
gctggaggtg ttggaaatca gcatattscT ggggataata gcatctatgt aaccrraata 1020
attgaaggag gtgcagcaca taaggatggc aaacttcaga ttggagataa acttttagca 1080
gtgaataacg tatgtttaga agaagttact catgaagaag cagtantctgc cttaaagagc 1140
acatctnatt tt 1152

```

<210> 1536

<211> 1532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<400> 1536

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gaagaggacc tcgatactgt ccctccattg aatcaaaagt tttgcgtttt ccaaaccgtc 60
tacatcaggt ttggttgga cctgaaggaa tggattctga ccttatctac ccacaggggt 120
tatctatgac gctaccagct gagttacaag agaaaatgat cacatgcac agaggcttgg 180
agaaagctaa agtgattcag ccaggctacg gtgntcagta tgattactta natccccgtc 240
agatcacccc ttccctggan actcatttgg ttcaacgact cttctttgct ggacagatca 300
atggcaccac tggttatgag gaagctgcag ctcaaggtgt gatagccgga atcaacgcc 360
tcttcgggtc agtcgcaagc ctccctttgt ggtagccga acagaagggt acataggagt 420
cttgattgat gacctcacta ctctgggcac caktgaacca taccgcatgt ttaccagccg 480
agtagagttc cgtttgtcac tgcgccctga taatgctgac agccggtc caactgcgagg 540
gtataaagac gctggctgtg tgtcccaaca acgatatgaa agagcttgtt ggatgaagtc 600
ttcttttagaa gaaggcattt ctgtgttgaa atctattgag tttttgagct ctaaattggaa 660

```

958

```

aaaattaatc ccagaggcct ctataagtac tagtagaagt ctgcctgtca gagctctcga 720
tggtctgaag tatgaggaag ttgacatgga ttcattagcc aaggctgttc cagagccctt 780
gaagaagtat actaaatgta gagagctggc tgaaagactg aaaatagaag ccacttatga 840
atcagtgttg ttccatcaac tacaagaaat aaagggagtt cagcaagatg aagctctcca 900
actgccaaaa gacctagatt atttgactat cagggatgtg tctttgtccc atgaagtctg 960
agagaaacta catttttagtc gtccacagac gatcggggct gctagtcgca taccggagt 1020
aacacctgcc gccatcatca atctgctgag atttgtgaag accactcaac gaagacagtc 1080
ggctatgaat gaatcatcca agactgatca atacttatgt gatgcagaca gacttcaaga 1140
gagagagtta tagctttcaa ttcataaaaag atttttaaag agcatataaa taatttgatc 1200
aatacaacag tatagataaa agaattatct agcacatgtt aaaatagctt tattaggtta 1260
ctatgggttt gccattaatt tctgagtggg acagaaatta taattgtgct ttttcgtgta 1320
tatgaaaaaa ctagtcgtaa acaatttgta ctctttcttt aaggagctgt aatacaaata 1380
actttgtgca gtgttcatca aagagagaga cagtgaacct aaaactgaac ctggaataaa 1440
actcaacatg cagatttgcc tactcatagg gactttgctt attaatgcta ccaaattaaa 1500
agtcttatca ttcaaaaaaa aaaaaaaaaa aa 1532

```

<210> 1537

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 1537

```

cttgggtatc ggctattgcc tgagtgtgct agagtcctcg aagagtaact gctgacctta 60
ttcactggct gtgggcctta tggcacagtc agtcaccagg ttagagacat gcttcacatt 120
cacctacca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
agtatgtaga ttttccatag agtgctgtta tgtgacttga attttagtct cggccctgcc 240
tctgacattg tcggtggttt atcctgggtc caggaaataa gactagcctt ttcctcatga 300
tagtcttttg tggtttttaa aacagttgtt taagtcaaca gatgtatcat atgcctgaca 360
ctgctctaca ccagtgaata atttacactc taataggggg tggttaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtggttgt tacctcttnc tagccaccca 480
gg 482

```

<210> 1538

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1538

```

gagaccggaa atatgaaagg ataagttcag gatgtattcg ttccaagtcc ctttctctgc 60
aaatgcgcca cagcaagtat tggaagggcc ccccggcagc cagtccggcc atgtctccca 120
caaccctgtt ggtcactgga gccacttccc tgcccacgcc agcaccctat gccatgcctg 180

```

959

```

agttccagcg gggtcaccatc agcggagatt actgtgccgg gatcactttg gaggactatg 240
agcaggcagc caagagtctg ccaaggccct aatgatccgg gagaagtatg cgggctcgcc 300
taccacacctt cccgcggatc acatcccagt acctgggtca tcgcgggagg atactgcacc 360
tcgggaagag ggccttccag acttccaccc tctccactg cccaggaag accctactg 420
cctggatgat gcacccccca acctggatta cttggtecac atgcaggggg gcatectctt 480
tgtgtatgat aacaagaaga tgctggagca ccaggagccg cacagcctac cctaccccg 540
cctggagacc tacacggtgg acatgagcca catcctgggt ctcacaccg atggccccac 600
gaaaacctat tgtcaccggc gactgaactt tctggaatcc aagttcagcc ttcattgagat 660
gttaaacgaa atgtccgagt tcaaagagtt gaagagtaac cccaccggg acttctataa 720
cgt 723

```

<210> 1539

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 1539

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taataatgtg tagagctaaa ggaagcagtg gagacaacct gaagtagaag tgtttcacag 60
agaatgctaa tttctggagc ctgagccact actttttttt tttttaaca gatagaacag 120
acttagcttt ctgaagagct ttaaaaactc ttgatgcctg tgctgttac tacagaatgc 180
tctgctgtct gccttttagag tgtagaaatc ctagtttagac tagtattctg gctacttctg 240
tagtctaaac atttacttct tgaggggctt ggggcattta ttcagagcca aggcctctgg 300
tcattaagga taagaggaat ggaataatta aagacatcgg tcatcaacta attcccatc 360
ctcctttcct tgctccttgt ttctcagct gtaaaatcac aatgattctg atacccact 420
ttataatatt gctctgagga tttaaatttg taatcaacat aaagcactga tcacattgcc 480
cagtgcatag taagcgctct aaatatctgc tattttttatc atgtagtggt gggtgaaatt 540
ggttttgngt tctccactct tagtttaaaa aatagtatga gtcgaatgtt tcatattgcc 600
ctgtctcagg ggaaaaaaaa aattgctttt tgcatagtc tcagttgatt cccactcact 660
atgatggcta tatagaacac aagttctcta ccatttctgc agtattttta aaattccttt 720
aaaaaactaa atatttattg tgggacaaaa tattatatgc ttacttagaa tattgggaag 780
atggtaaaga atacaaagaa aaaaacaatt gtacccctca ttctagacac aacttgctgt 840
tcacgtcttt ggggtgtatt tccattccta ctagatggaa ccatttataat gtttacctaa 900
ttcggatcat gttgcataca gttttgttcc cttcaaa 937

```

<210> 1540

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

960

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<400> 1540

```

ggccgtggcc accaagcccc ggccgcagttt ctctccgccc acggcaggag cgaaggaagg 60
ccctggnngcg agcggggtaaa ctgcccaccg ggccggccac ccgctgcgcc cccggccccg 120
aagaggcagc cccaataggt tggcccgnct ggccgaagtc cggccggagc ccgctcacct 180
gtcagcccc actgccgaca gggacactaa caggtgaaga tctcgggaga ccatgactaa 240
gaaaagaatt gctgtgattg ggggaggagt gaggcgctct cttncatcaa gtgctgcgta 300
gaagaaggct tgggaacctg tctgctttga aaggactgat gacatcggaa gggctctgga 360
ggttccaggg a 371

```

<210> 1541

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<400> 1541

```

accaacctca ctaaagggac aaaagctgga gctccaccgc ggtggcggcc gctctagaac 60
tagtgatcc cccgggctgc aggcggagtg gggccctgca gcttccccgg gaggaaggag 120
acaggctcga ggatgtctgg cagtggatgc tggagagtga gcggcagagc aagcccaagc 180
cccatagtgc ccaaagcaca aaaaaggcct accccttgga gtctgcccgc tcgtctccag 240
gngaacgagc cagccggcac catctgtggg ggggcaacag cgggcacccc cgcaccaccc 300
cccgtagcca cctgttcacc caggacctg cgatgcctcc cctgacccca cccaacangc 360
tggnttcagc tggaggaggm ctgtcgcagg ctgactgagg tgtcgaagcc cccaaagcag 420
cgggtgctgt tggccagtca gcagagggac aggaatcatt cgccactgt tcagacggga 480
gccacamcct tctccaatcc aagcctggct ccagaagatc acaaagagcc aaagaaactg 540
gcagggtgtc acgcgctcca ggccagtgtg ttggttgtca cttacttttt ctgtggggaa 600
gaaattccat accggaggat gctgaaggct cagagcttga ccctgggcca ctttaaagag 660
cagctcagca aaaagggaaa ttataggtat tacttcaaaa aagcaagcga tgagtttgcc 720
tgtggagcgg tgtttgagga gatctgggag gatgagacgg tgctcccgat gtatgaaggc 780

```

961

cggattcttgg gcaaagtgga gcggatcgat tgagccctgg ggtctggctt tggatgaactg 840
 ttggagcccg aagctcttgt gaactgtctt ggctgtgagc aactgcgaca aaacattttg 900
 aaggaa 906

<210> 1542
 <211> 979
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (61)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (735)
 <223> n equals a,t,g, or c

<400> 1542
 aatgaacaag ctgaatgagc tagagaaaat atgtgaaata ctgcaggctg aaaagtatga 60
 nctcgtaact gagctgaatg attcaaggctc agaatgtatc acagcaacta ggaaaatggc 120
 agaagaggta gggaaactac taaatgaagt taaaatatta aatgatgaca gtggtcttct 180
 ccatggtgag ttagtggaag acataccagg aggtgaattt ggtgaacaac caaatgaaca 240
 gcaccctgtg tctttggctc cattggacga gagtaattcc tacgagcact tgacattgtc 300
 agacaaaagaa gttcaaatgc actttgccga attgcaagwg aaattctmmt ctttaciaaag 360
 tgaacacaaaa attttacatg atcagcactg tcagatgagc tctaaaatgt cagagctgca 420
 gacctatgtt gactcattaa aggccgaaaa tttggtcttg tcaacgaatc tgagaaactt 480
 tcaagggtgac ttggtgaagg agatgcagct gggcttggag gaggggctcg ttccatccct 540
 gtcctcctct tgtgtgcctg acagctctag tcttagcagt ttgggagact cctcctttta 600
 cagagctctt ttagaacaga caggagatat gtctcttttg agtaatttag aaggggctgt 660
 ttcagcaaac cagtgcagtg tagatgaagt attttgcagc agtctgcagg aggagaatct 720
 gaccaggaaa gaaanccctt cggccccagc gaagggtgtt gaagagcttg agtccctctg 780
 tgaggtgtac cggcagtcctc tcgagaagct agaagagaaa atggaaagtc aagggattat 840
 gaaaaataag gaaattcaag agctcgagca gttattaagt tctgaaggca agagcttgac 900
 tgccttagga gcagtatttg tcagacatga cagtggcaca gagctgacag cgtgactctg 960
 agatgagtcc agttggcgc 979

<210> 1543
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (296)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (299)

962

<223> n equals a,t,g, or c

<400> 1543

```

gccccactgg gaaaagaagt gtatccgtct tgctcttmaa accagggagc aacacattcg 60
gagagacaag gctaccagca acatctgtac agctcaggcc ctcttggcga atatggctgc 120
catgttttgc atctaccatg gttcccatgg gctggrgcat attgcctagg aggggtacata 180
atgccacttt gattttgtca gaagggtctca agcgagcagg gcatcaactc cagcatgacc 240
tgttctttga taccttgaag attcagtgtg gctgctcagt gaaggaggtc ttgggncang 300
c 301

```

<210> 1544

<211> 652

<212> DNA

<213> Homo sapiens

<400> 1544

```

ccaaataaat ttgactgatg ccaaaactga agctgccaat gtaatgaaat gttaagggtgg 60
ccataggaca gtcccttttaa taaaagcttc catgtaaaac caaaataaag gtcagtatag 120
aaagtatcat ggggtatata acaaactgaa tttttggctt ccaatccaaa ctgggctaaa 180
tggtatgttt attttaaaca aggaatttgc catggacaag atctatctgg cttactgtga 240
gttagaagta cgccctgccg taacactggg atttccacat agtatggaag aggaagagag 300
gaaaacttaa ttaagtgttg caaaattgtt tgaggaccta ttttggtcca ttccttatca 360
actccatgtg tgatttcaag ttatctaaag ggcattgtgac tttatttctg actaacatca 420
agttcctctc ctcatcataa caaggcgatt caaacctaaa ctgtgattct taggagatgc 480
ttccaagggg aagctccctc gttggacatc cagaagattg cattttctct tcagagtaca 540
attttccatc tgtcagagca tgtctgaata aaaatttgaa cctactacaa actacattag 600
aataattttc aagtattttt ctgtcacaaa aatgggtgtga cagaatgtgt tg 652

```

<210> 1545

<211> 2236

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2223)

<223> n equals a,t,g, or c

<400> 1545

```

gctctaagtc acgggaactg cccttgctac ttgtgacctg ccctttactc agcagttttt 60
gttctgggaa gccctgggat tctgctaata cctatcactg taggtgctga agggaaacag 120
atgaagaaca tgacctcaag gagcttccctg tcaatgagaa gaccaagctg acgcctggca 180
aagatattaa agaggagcct gaaactgttc cttggacatc ttatgaatgt cagaaaatac 240
cttttggagg gttagaagat caggggacat gggtgttcac atttgctgcc acggaacacc 300
gccagtcttc acttggaac agaatcacgc cttgtgaaga gatcatccct aagcaggaga 360
gaagctacta aaggattgtg tcctcctcca ccttccctgt gctcgggtctc cacctgtctc 420

```

963

```

ccattctgtg acgatgggtc aatggaagag actctgccag ctgcattact tgtgggctct 480
gggctgctat atgctgctgg ccactgtggc tctgaaactt tctttcaggt tgaagtgtga 540
ctctgaccac ttgggtctgg agtccaggga atctcaaagc cagtactgta ggaatatctt 600
gtataatttc ctgaaacttc cagcaaagag gtctatcaac tgttcagggg tcacccgagg 660
ggaccaagag gcagtgtctc aggctattct gaataacctg gaggtcaaga agaagcgaga 720
gcctttcaca gacacccact acctctccct caccagagac tgtgagcact tcaaggctga 780
aaggaagttc atacagttcc cactgagcaa agaagagggt gagttcccta ttgcatactc 840
tatggtgatt catgagaaga ttgaaaactt tgaaaggcta ctgcgagctg tgtatgcccc 900
tcagaacata tactgtgtcc atgtggatga gaagtcccca gaaactttca aagaggcggt 960
caaagcaatt atttcttgct tcccaaatgt ctccatagcc agtaagctgg ttcgggtggt 1020
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ctcagtgcctg tggaaatact tcctgaatac atgtgggacg gactttccta taaagagcaa 1140
tgcagagatg gtccaggctc tcaagatgtt gaatgggagg aatagcatgg agtcagaggt 1200
acctcctaag cacaaagaaa cccgctggaa atataccttt gaggtagtga gagacacatt 1260
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tgcgtacatt gtggcttccc gagatttcgt ccaacatgtt ttgaagaacc ctaaatccca 1380
acaactgatt gaatgggtaa aagacactta tagcccagat gaacacctct gggccacctt 1440
tcagcgtgca cgggtggatgc ctggctctgt tcccaaccac cccaagtacg acatctcaga 1500
catgacttct attgccaggc tgggtcaagtg gcagggtcat gagggagaca tcgataaggg 1560
tgctccttat gctccctgct ctggaatcca ccagcgggct atctgcgttt atggggctgg 1620
ggacttgaat tggatgtctc aaaaccatca cctgttggcc aacaagtttg acccaaaggt 1680
agatgataat gctcttcagt gcttagaaga atacctacgt tataaggcca tctatgggac 1740
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tgctcagaac ttgctgggac agtgtgggtg ggagaccagg gctttgcaat tcgtggcatc 1860
cttttaggata agagggctgc tattagattg tgggtaagta gatcttttgc cttgcaaatt 1920
gctgcctggg tgaatgtctc ttgttctctc acccctaacc ctagtagttc ctccactaac 1980
tttctcacta agtgagaatg agaactgctg tgatagggag agtgaaggag ggatatgtgg 2040
tagagcactt gatttcagtt gaatgcctgc tggtagcttt tccattctgt ggagctgccg 2100
ttcctaataa ttccagggtt ggtagcgtgg aggagaactt tgatggaaag agaaccttcc 2160
cttctgtact gttaacttaa aaataaatag ctctgtattc aaagtaaaaa aaanaaaaaa 2220
aanaaaaaaa actcga 2236

```

<210> 1546

<211> 356

<212> DNA

<213> Homo sapiens

<400> 1546

```

ggataatect ctctccctgt tcccctcatt tggctgctcc agaccctgag aaacttctac 60
ctgtcccatg ccagctgagg gtgtctgagg agctgacatc aaccccatgg atctcctgaa 120
ctgtgctgga aggtagagac aggcaggagg gcttcccatg ggtcasgaga acctgacccc 180
acaaatcaac tgatcttcaa gagacaggat ggagggaggg atcattctag agaaccctgc 240
tccttggtcc tccctgtggc aaaatctggc gccaggaaga gtttgagtgt gtaggcgtgt 300
gtgtgcagggt gtaagtgtgc aggcacgtgt gtgcagggtg gtatgtacag ccgtgt 356

```

<210> 1547

<211> 1172

<212> DNA

<213> Homo sapiens

<220>

964

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<400> 1547

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gggattacag gcgtgaccac cgtgcccggc ctgattctct taaaattgaa gaggtgctgc 60
caaggccttc agatctaacg cagatgcata gaccttgctc ctggtacttg ttcagcctgt 120
gctggggagc cgtggtcccg agttccctgg gaggtgaca gggcaagcc accctgccc 180
ccaccctccc acttcccctc ccttttctc tccagcatta ggattcaagg gaaatctgca 240
tgaagccaat tttgagggtg gacgtgtggg gaaaataaat cattatacag taagacctgg 300
ggcttgaggg gtgggggaatg gggaggggaag ggcatagcct gctcctccat gagtctgaca 360
tctcggaaac tgagcagctg ccggacgcct gggtcaggaa tccaagaccc cacctcttaa 420
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ctcctgccac aaccgcattg gaagaaaagg ctgccgcaac atctcagcga ggagtgaagg 540
acccatgtcc caggaaaccg cgtgcgccac ctgcactcac cccctcaca ttctcttaag 600
cacccggtgg cctccgagg cctggcggaa tgggtggtgc cacgggggtg ggcaagggct 660
caccaggacc tcaacgggca aagttgtgca cactaaaata tcaaatcaag gtgcttggtt 720
ttaaagtaaa tgtttttctt aagaaagctg tgttcttctg ttgaccaga cgaatagngc 780
acagccctgt aactgcacgt gccttctgtc attgggaatg aaataaatta ttacgagaaa 840
gggacttgtc ctaactgggt tgaggcctta cagttttgka tctacatttt tccctcctg 900
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tactgctcac tgctcacttt ctgatcactc tgatactttt tttttttttt ttttgcaacc 1020
tgataccttg aaaagcttct atgtgtctct ccttttggtg cctggcagct gtctaggatg 1080
atcactgatt actattttact aagtagccac atgcaaataa aagttgtttg gtaaaatgga 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1172

```

<210> 1548

<211> 1423

<212> DNA

<213> Homo sapiens

<400> 1548

```

tgctttttct gtgagctatt tgtttttggt tgctgaaact agtccaaaac aggaaattta 60
acagacagcc acagccaaag agtgtcatgt gaattacaag aaatagagcc catttaggga 120
aagatagaac tagaaaggct tttcattata attccatgtt gaacaattga gtcatagctt 180
cttatctygg gaggaaggac acaattcaaa ggggcagtaa ggattttgta aaacgtggca 240
tccataatth actatggagc aagtgcacc atctctagga cattaagaca tttatgagaa 300
atctcaggat tcatcttctg tttttatggt aaatgcactc cctccttttc agttaacatt 360
ataaaaagta aaaaatgaaa attttagaaa tcttgcatga gacacatgaa aaaataacta 420
aaagtttaaa tttaaatatg aaacaatttt gctgaaaata gtatccatat actatttaag 480
tcttttatgg ttattttcaag tatacaatth ctatctgtaa tgtaatatat taccacaca 540
tttttttcac aggagagaga gaatatcctc atttgtttat gctcatgtgt attttctata 600
gtgaatttca gaaactttta atatcaggta atttcaattt atgcctataa agcattgatt 660
gaaaaataac tagaattgtg catatataac acataatctc caacagaagt tactgaatac 720
attcactact atgtaatgta atttcccttt atttcttgtc cttctgtttc aaactgctgc 780
tattgtagtt tacatatccc aacctttaaa aatattcctc ttattagctt tatatttact 840
ttatagaagt tgagttttta ttaaaattct tggcatcctg aagtatgtca catagcatgt 900
gctccttata aatatgttga tatctcagaa gacagcatcc cggttttcat ttataaaagt 960
accatactta agaatgctgt aatacttata ttttataaca tgtttccttc gctttgcttg 1020
tcttttatgt catcagtttt aactgtttac ttcatttaac agttttacatc attcaacagt 1080
ttacttcatt aaacagtagg tggaaaaata gatgccagtc tatgaaaatc tttccatcta 1140

```

965

tatcaaaaata cttttcaagg atatactttt caaaacaaac gattttaaatt ttatgkttaa 1200
aatataaact ttagattttaa actttattta aatatctggt tcctatgatt ttgacttcag 1260
taagktcaaa taaaatatat ttgcaattc atttttacat tataatttaa aaagaagaag 1320
cgataagtgg agtcagtttc aatgctaggt ggggtgggta atgatttttc tgggtgttgct 1380
gctaagtgtg attaacaat aaaaacattc attgcctttt aaa 1423

<210> 1549
<211> 457
<212> DNA
<213> Homo sapiens

<400> 1549
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cagggccgcg aggaggggcg tgttgctgct ggcccaccgc gagccgcccc cagcccgcgc 120
cgaggcgctt tcccgccagg ccgcctgcct tccgcctctt tccatttccc cggaatctca 180
gcccggcgcg cctggacccc tgcccctctc tgggtggaga agctcccggc cgcttccggt 240
ttcactcctt ctcagcctgg gctcccagcc cctctctctc ttttccctgga ctggctctca 300
cccccttcgg tccccttctt ttagctcagg ctccctaccc cttccttttag cccacaagcc 360
cagaagtccc aagcttctca gtcactttcc tyagccaaag gtcccagcct tccttcttcc 420
tttcccttgc actatcccta tcctgcccct tctctat 457

<210> 1550
<211> 977
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 1550
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cacaactgca catcaaatgt ttgctgacat tggatctgtg ctgtcttcca gttgtgccat 120
cctattttac tccttaagaa atgaggaaat tcctatttgg gggcatcaac tctccctcga 180
gaaaaacaaa gctgctaagt aagattccac ctagaaaang gggaaagctn tttccnggga 240

966

```

acaccatttta taccceccaca caaaataata gcatgagctg tgttttagag gagatagggg 300
gccaacccaa attcactcct ctcagatgat agtaaagatc aaaagnattc gaagggagtt 360
ggtaaacgct ggtgtggtac atgtggcctt sctcactcat gtggatagca tggattttga 420
ttacaaaagg tgacctatag aaatagagag atgtgagcct gtgaggtcca agctagagga 480
agtccaaaga aaacttggat ttgctctttc tgacatctcg gtggttagca attattcctc 540
tgagtgggag ctggaccctg taaaggatgt tctaattctt tctgctctga gacgaatgct 600
atgggctgca gatgacttct tagaggattt gccttttgag caaataggga atctaaggga 660
ggaaattatc aactgtgcac aaggaaaaaa atagatatgt gaaaggttca cgtaaatttc 720
ctcacatcac agaagattaa aattcagaaa ggagaaaaca cagaccaaag agaagtatct 780
aagaccaaag ggatgtgttt tattaatgtc taggatgaag aaatgcatag aacattgtag 840
tacttgtaaa taactagaaa taacatgatt tagtcataat tgtgaaaaat aataataatt 900
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aaaaaaaaaa aaaaaaa 977

```

<210> 1551

<211> 2540

<212> DNA

<213> Homo sapiens

<400> 1551

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tgcaactgtg caccagctt gccagatttt tccccattac acccccagtg tggcatatcc 60
ttggtcccca gaggcacacc ccttgatctg tggacctcca ggcctggaca agaggctgct 120
accagaaacc ccaggccctt gttactcaaa ttcacagcca gtgtggttgt gcctgaytcc 180
tcgccagccc ctggaaccac atccacctgg ggaggggccc tctgaatgga gttctgacac 240
cgcagagggc aggccatgcc cttatccgca ctgccaggtc tgtcggccca gcctggctca 300
gaggaggaac tcgaggagct gtgtgaacag gctgtgtgag atgttcaggc ctagctccaa 360
ccaagagtgt gctccagatg tgtttgggcc ctacctggca cagagtcctg ctctgggaa 420
aggaaaggac cacagcaaac accattcttt ttgccgtact tcctagaagc actggaagag 480
gactggtgat ggtggagggt gagagggtgc cgtttcctgc tccagctcca gaccttgtct 540
gcagaaaaca tctgcagtgc agcaaatcca tgtccagcca ggcaaccagc tctgacctgt 600
ggcgtgtgtg ggctggatcc cttgaaggct gagtttttga gggcagaaag ctagctatgg 660
gtagccagggt gttacaaagg tctgtctcct tctccaaacc ctacttggtt tccctcacc 720
caagcctcat gttcatacca gccagtgggt tcagcagaac gcatgacacc ttatcacctc 780
cctccttggg tgagctctga acaccagctt tggccctcc acagtaaggc tgctacatca 840
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tcagggaagg agaaagcatg actggattct tactgtgctt cagtcattat tattatactg 1860

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967

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ttcacttcac acattatcat acttcagtga ctcagacctt gggcaaatac tctgtgcctc 1920
gctttttcag tccataaaat gggcctactt aatagttggt gcaggactta catgagataa 1980
tagagtgtag aaaatatggt ccaaagtgga aagttttatt cagtgataga aaacatccaa 2040
acctgtcaca gagcccatct gaacacagca tgggaccgcc aacaagaaga aagcccgccc 2100
ggaagcagct caatcaggag gctgggctgg aatgacagcg cagcggggcc tgaaactatt 2160
tatatcccaa agctcctctc agataaacac aaatgactgc gttctgcctg cactcgggct 2220
attgcgagga cagagagctg gtgctccatt ggcgtgaagt ctccagggcc agaaggggccc 2280
tttgtcgctt cctcacaagg cacaagttcc ctttctgctt ccccgagaaa ggtttggttag 2340
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ggaaaaaaag gacaccta atctctacaaa tgggtctttag taaaggaacc gtgtctaagc 2460
gctaagaatg cgcaaagtat aaattatcag ccggaacgag caaacagacg gagtttttaa 2520
agataaatac gcattttttt 2540

```

<210> 1552

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (605)

<223> n equals a,t,g, or c

<400> 1552

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aattgcactt cttgtaaaga gtgagaaaaa aaatcaaagg cgctttgaaa caggggctct 120
ctgtgcaagg atgactaagt gtacgtcttt ccgtgtgtgt atgctgggtga acagtcagat 180
ttattttatat ttttttgcaa gcattgaata atctaagttt taaatattat ttatcccat 240
ccgttcgtat ttatattaaa gaattctgta ccctgatggg tcagaagggt tcttgggcct 300
tttgttcmat tgtgtattgg cgtacttaga atttttttta tttgaaagag aaatataatt 360
cctttaaacg gtaacgatgc aataaaacca gagaagatcc agcttttgaa aacagtgatt 420
taggtttgta acatccggca aaactgaaaa aaaaaatctg taaacgcgaa aaatactaga 480
tttgttttga gagttcttca ttccttgctg ctcacattct gagaaacaaa aagaaataaa 540
gttttttattc tgaataatat ccgtnntaan aaggggttct ttggccgaag acgtgggtct 600
gcgtngaa 608

```


968

<210> 1553

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1553

```

tggccgaggt gttgceggacc tggccgtctc acaggtectt cccaggtcc aagaggctct 60
tctgtgtcct gatgacaagt agctgcctag ccgtgggtggc acctcctatc acatgttaag 120
ggacccctcc ccagggccac acctggcaga aggtggctta tgatgttcgc agcttgaaag 180
tagtgtaaac caaagataaa attctaagcc cactccccc gccatcggaa tggacccctc 240
ctcttggcca gggcactcca aagttaacct gaaaaaccgg ttcaggctgt gaagagaagg 300
tggagtggac atgcctcatt tatgtcctcc tcccttttgg aattcagcaa agctgaccag 360
catgaacatt aacacagacc ttaagtctga ttagtggcat ttacaatcta tactctctga 420
agcgtgttac ctggagtctt cctttgcatg ataaaacttt ggtctccaca accccttatt 480
ataacctaga cactcctttc tagtgataat aactctttca accaattgcc aataaaaaaa 540
ttttgaatct acctataacc tggaaacctcc ccgctccacc ttcgagttgt cctacctttc 600
tggacagaag caatgtggat cttgcatgta tttgattgat gtctcatgtc tccctaaaat 660
gtatacaatt aggctgtgcc cagatcacc tgggcacatg ttctcaggcc ctcttgaggt 720
ctctgtctcg ggccattggg cactcagatt cggctcagaa taaatctctt caaatattaa 780
aaaa
784

```

<210> 1554

<211> 1931

<212> DNA

<213> Homo sapiens

<400> 1554

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ggcctctggc tgctctgtta acgtgtcccg cgagcgaggc gcgtcgcaaa aggtcgcggc 60
ggaacttccc tgcgttttcc agaccatact ctttacggta ctaggcactg ctgagctggg 120
agatgtcggc ggcgtgttgg gaggaaccgt ggggtcttcc cggcggcttt gcgaagsggg 180
tcctggtgac cggcgggtgt ggttttcatt catcacatat gattgtctct ttagtggaag 240
attatccaaa ctatatgatc ataaatctag acaagctgga ttactgtgca agcttgaaag 300
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cacaaacaca tgtagatctt tcattcgtac gtgcctttga gtttacctat gttaatgttt 480
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tcagcacaga tgaagtatat ggtggcagtc ttgataagga atttgatgaa tcttcacca 600
aacaacctac aaatccttat gcatcatcta aagcagctgc tgaatgtttt gtacagtctt 660
actgggaaca atataagttt ccagttgtca tcacaagaag cagtaatgtt tatggaccac 720
atcaatatcc agaaaagggt attccaaaat ttatatcttt gctacagcac aacaggaaat 780
gttgcatcca tgggtcaggg cttcaaaca gaaacttctt ttatgctact gatgtttag 840
aagcatttct cactgtcctc aaaaaaggga aaccagggtga aatttataac atcggaacca 900
attttgaaat gtcagttgtc cagcttgcca aagaactaat acaactgatc aaagagacca 960
attcagagtc tgaaatggaa aattgggttg attatgttaa tgatagacct accaatgaca 1020
tgagataccc aatgaagtca gaaaaaatac atggcttagg atggagacct aaagtgcctt 1080
ggaaagaagg aataaagaaa acaattgaat ggtacagaga gaattttcac aactggaaga 1140
atgtggaaaa ggcattagaa ccctttccgg tataatcacc atttatatag tcgagacagt 1200
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tgccatcaatc tttgggagag tttcagta ctggcatagaat ttaaagtca aaattctttc 1380
tgaaacctt tctcctagaa actaggaaat aatagggtga gaagactctc cctaagggtga 1440

```

969

```

gccaggaaga agtctcctga ttcggacaac catgaggggt agtgggtgcta gggagaaggc 1500
aaccttcact ggttttgaac tcagtgccta agaaagtctc tgaaatgttc gtttttaggc 1560
aatataggat gtcttaggcc ctaattcacc atttcttttt taagatctga tatgctatca 1620
ttgccttaat aatggaacaa aatagaagca tatctaacac tttttaaatt gataattttg 1680
taaaattgat tacgttgaat gctttttaag agaagtgtgt aaagttttta tattttcaca 1740
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atttataaaa ttgtcaatat cttaatgtat ttaatgtaga atattgcttt ttaaaataat 1860
gtttttattt tgctgtagaa aaataaaaaa aaatttgatt ataaaaaaaa aaaaaaaaaa 1920
aaaaaaaaa a 1931

```

<210> 1555

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1555

```

agcatttctt ctgagttgtg cttgctgaac tcaaatacta ggtgatttgg taatgcgcct 60
aaagagcatg gggctcctcc tgccaattat aagcaaagac atcacatttg gagtttggca 120
agatcagaat atctcagggt gagcacctgc tgaatgctag gattgtgtct atgcatttta 180
aatctatttt taatctttat tacagtctta taatagggat tatgacacca gaacagagac 240
agctgtctta agattwcaag ggggtgctagc tgaagaaaac agagaggaaa gttgggaaga 300
agctggatcc ttgataacag ctgagccatg gacttaacca gtcttagatg agcgatacct 360
caccttcaga tttcatgtca taccacctga aata 394

```

<210> 1556

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<400> 1556

```

tgggacatgt cggatgaaccc gaatgcctag taaggcagct ctgatggagg aagccaagct 60
gatggcatct ctctggcact tggcagcgat ggcccttcatt acttacgtgc tcctggctgg 120
gatggcactg ggcattcaga aaaggctcagt gccaaagccc tcccttacct tccccctcct 180
gtgagctctt ctcccaacct ccctagggca tatgtggtgg tccccagctc accctctggt 240
gccccagctt ctcttcctca cccctgcctc aggatgcctg gctctgagcc acccttgctt 300
tggcgcaggt tntnccccga ggtgctgggc ctgtgtgcaa gcacag 346

```

<210> 1557

<211> 1577

<212> DNA

<213> Homo sapiens

970

<400> 1557

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caggtttgas cytgcwtggc ccmagctccy tcagtccttg cctggcaagt cctccatkgg 120
cacaacmasm ttcgcctggg ggaattttca gcttttctcg agcagcagcg agaccagac 180
tcgtacaaca aacacctctt cgtgcacatt gggcatgcca accattctta cagtgaacca 240
ttgcttgaat cagtggacat tcgtcagatt tatgacaaat ttcttgaaaa gaaaggtggc 300
ttaaaggaac tgtttggaaa gggccctcaa aatgccytct tcctcgtaaa attctgggct 360
gatttaaact gcaatattca agatgatgct ggggcttttt atggtgtaac cagtcagtac 420
gagagttctg aaaatatgac agtcacctgt tccaccaaag tttgctcctt tgggaagcaa 480
gtagtagwaa aagtagagac ggagtatgca aggtttgaga atgscgatt tgtataccga 540
ataraccgct cccaatgtg tgaatatatg atcaacttca tccacaagct caaacactta 600
ccagagaaat atatgatgaa cagtgttttg gaaamcttca caatyttatt gstggtaaca 660
amcagggata cacamgawac tctactctgc atggcctgtg tgtttgaagt ttcaaamgt 720
gaacmcggag cacaacatca tatttacagg cttgtaaagg actgaacatg gttatttata 780
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tcgaacgact gactgtaaac ctcaccacac aggggtggtgc cctggccccg aggtcacccc 900
gacttttcta aatcttgttt gagtgaagtc attttttcat gtgttcatac tatcattgta 960
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agaaatgctt ggtagaagtg tcctaattgag acaaatttgt acttttatcc tcaaggttaa 1440
cactaatctc ctaatccatt aaactcttga acaggtatta caaaggaaga aaacttcacc 1500
ccttatcctt aacatatata gtatatttta aaaatataaa attgtattgt actaatgtga 1560
tgatggatta tttaatg 1577
```

<210> 1558

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1558

```
gggcagacct gcgagagcag agggggcttc ggcaggcaac cgaccaccag gagctggtgg 60
aaatccccac caggccgctg ctgaccaagc tgagcctgat cacagcccca cggcggggag 120
agagggcgcc cgtccctcta cgtgcagggg gacatagtag aggagacaca gcgtgaggta 180
agaccaccgg cggggagggc ctgcacgtgg gccgggtgtc cacacccgat tgggtcttcg 240
gagggttccc cagcccggga tttcggagga gcccttca 278
```

<210> 1559

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

971

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 1559

```
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acatgcttcc cagagtgaga tttttgaaat ccccttttca tccagaacta tatttaccce 180
cctattgtaa ctattcarat agagcaaaat taggaggcct gataaatact aagaatttag 240
taccacagaa attatttatt attttccctg tagtccacaa ttagtgataa cgaatcctat 300
ttttgttaac tgtgacataa ctttgatgtc atatgttgtc ctatgtgggt cttcctaagt 360
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tggatgtact ggttgtaaat gtttatatat tgtacagtac ctttatatat acacttgagg 480
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acagtttatg gcctgcattt ctttnactgt cacattgggt taatgttgct ttctaattgg 600
ggagctaggt cccatcatag tctgagtcct caaatagatt ttgtccctcc aagtaacaaa 660
ctttcaaagt cctaaaatca ggaagagtct tataataatg attttacctc tataggtata 720
cttttatttta tttataaata gagtttgaaa t 751
```

<210> 1560

<211> 1938

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<400> 1560

```
agcaacctat agatcatgan aggcaacggt nanctgacag taccggtcgg aattccccgg 60
tcgacccacg cgtccrgcgg taaccgccac agctgccagc gacaggatgg agagegactc 120
agactcagac aagagtagcg acaacagtgg cctgaagagg aagacgcctg cgctaaagat 180
gtcgggtctcg aaacgagccc gaaaggcctc cagcgacctg gatcaggcca gcgtgtcccc 240
atccgaagag gagaactcgg aaagctcatc tgagtcggag aagaccagcg accaggactt 300
cacacctgag aagaaagcag cgggtccgggc gccacggagg ggccctctgg ggggacggaa 360
aaaaaagaag gcgccgtcag cctccgactc cgactccaag gccgattcgg acggggccaa 420
gcctgagccg gtggccatgg cgcggtcggc gtccctcctc tcctcttctc cctcctcctc 480
cgactccgat gtgtctgtga agaagcctcc gaggggcagg aagccagcgg agaagcctct 540
```

972

```

cccgaagccg cgagggcgga aaccgaagcc tgaacggcct ccgtccagct ccagcagtga 600
cagtgcagac gacgaggtgg accgcatcag tgagtggaag cggcgggacg aggcgcggag 660
gcgcgagctg gaggcccggc ggcggcgaga gcaggaggag gagctgcggc gcctgcggga 720
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gggcagcggc ggcagcagcg gggacgagct cagggaggac gatgagccc tcaagaagcg 840
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gctggagaga gaggccaaga aatcagcgaa gaagccgcag tcctcaagca cagagcccgc 960
caggaaacct ggccagaagg agaagagagt gcggcccag gagaaagcaac aagccaagcc 1020
cgtgaagggtg gagcggaccc ggaagcggtc cgagggttc tcgatggaca ggaaggtaga 1080
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ccggctcaag tcgcgggtcc tcggcccaaa gatcgaggcg gtgcagaaa tgaacaaggc 1380
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cgaggccaca tcacagaagg gggagagcgc agaggacaag gagcacgagg agggtcggga 1560
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ctgtgctgtt tgtatttgtt cccttgggtt ttttttctt gcctaatttc tgtgatttcc 1860
aaccaacatg aaatgactat aaayggtttt ttaatgaaaa aaaaaaaaaa aaagggcggc 1920
cgctctagag gatccctc                                     1938

```

<210> 1561

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (886)

<223> n equals a,t,g, or c

<400> 1561

```

cagcaccccc agcctgctga cagcagacag actgggtcct caaaggctct ggcccagacc 60
ctcccaccac ccacggytgc tggtgaaagc aattctgtga cctgcaactg tggccaggag 120
gctgtgctgc tcaactgtccg taaggagggg cccaaccggg gccggcagtt ctttaagtgc 180
aacggagggtg gctgcaactt ctctctgtgg gcagacagcc ccaatccggg agcaggaggg 240
cctcctgcyt tggcatatag acccctgggc gcctccctgg gatgcccacc aggccagggg 300
atccacctag gtgggttttg caaccctggg gatggcagtg gtagtggcac atcctgcctt 360
tgcagccagc cctccgtcac acggactgtg cagaaggatg gacccaacaa ggggcgccag 420
ttccacacat gtgccaaagg gagagagcag cagtgtgggt ttttccagtg ggtcgatgag 480
aacaccgctc cagggacttc tggagccccg tcctggacag gagacagagg aagaaccctg 540
gagtcggaag ccagaagcaa aaggccccgg gcaggttcct cagacatggg gtccacagca 600
aagaaacccc ggaaatgcag cytttgccac cagcctggga cacaccgctc ccttttgtcc 660
tcagaacaga tgagctcagg gtagggtaga gaacgccact ttyttcagac ctgtcccctt 720
tgtgtttagg aaatgagttt aaccagggac caagtgggac attttagtgt tcctgggaaa 780
tttaggaggg acagtgtttg ggccttttgg agttgggggg tttctttgtt gttttaaggg 840
gggcacaaaag gttcccagat ccattcttgg gagcaggggc agcttnttg 889

```

973

<210> 1562
<211> 1385
<212> DNA
<213> Homo sapiens

<400> 1562
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gaggggagtg ccaaggctga gcggccaggc ctccagaaca tggagctggc gcctgtgcag 120
cgcaagatcg aggctcgctc ggcagaggac tccttcacag gcttcgtccg gacctgtac 180
tttgtctgaca cctacctgaa ggacagctcc cggcaactgcc cctcgctgtg ggctggcacc 240
aatgggggca ccatctatgc cttctccctg cgtgtgcctc ccgccgagcg gagaatggat 300
gagcctgtgc gggcagagca ggccaaggag atccagctga tgcaccgggc gccggtggtg 360
ggcatcctgg tgctcgacgg acacagcgtc ccccttcctg agccctcga agtggcccat 420
gatctgtcga agagccctga catgcaggga agccaccagc tgctcgctcg atcagaggag 480
cagttcaagg tggtcacgct gcccaagggt agtsccaagc tgaagttgaa gctgacggcc 540
ctggaggggc caagagtgcg gcgggtcagc gtggcccact tcggcagtcg tcgagccgag 600
gactacgggg agcaccacct ggcagtcctt accaacctgg gcgacatcca ggtggtctcg 660
ctgccccctg tcaagcccca ggtgcgtac agctgcatcc gccgggagga cgtcatggca 720
tcgcctcctg cgtcttcacc aaatatggcc aaggcttcta cctgatctca ccctcggagt 780
ttgagcgctt ctctctctcc accaagtggc tgggtggagcc ccggtgtctg gtggattcag 840
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gcgctctgct cagtgatgag agagcggcaa ctggcggttca catcgagcsg ccgtggggtg 1020
cagcctcagc aatggcggag agtgagtggc tgagcgtcca ggctgcgcga tgagcacaca 1080
ctactactga tggccttttcg ggggtccctg ccccarccgg agaggccggt gcacagggcc 1140
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gagagacccc agtccccctg gctgcscctc ccgggcctcg tctgtctggg tcctttgggtc 1260
aatgttgcac agttttttatt gctcccatcc cttttttagt tgggctgggt tttaagttat 1320
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tcaaa 1385

<210> 1563
<211> 862
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (784)
<223> n equals a,t,g, or c

974

<400> 1563

```

cagacctggg atcncacaca cacacacttt cacacacaca cttcacacat cacacnactc 60
ccaccaccgt catgatggag gaattacgta tacattcata ttttgtattg attttkgatt 120
atgaaaatca aaawttttca catttgatta tgaaaatctc caaacatatg cacaagcaga 180
gatcatggta taataaatcc ctttgcaact ccactcagcc ctgacaaccc atccacacac 240
ggccaggcct gtttatctac actgctgccc actcctctct ccagctccac atgctgtacc 300
tggatcattc tgaagcaaat tccgagcatt acatcatttt gtccataaat atttctaaca 360
tccttaaata tacaatcgga attcaagcat ctcccattgt cccacaaatg tttggctggt 420
ttttagattg gattgtttgt attaggattc aagcaaggcc catatattgc atttatttga 480
aatgtctgta agtctctttc catctacaga gtttagcaca tttgaacggt gctggttgaa 540
atcccagagg gtcatttgac atgggtctct gaacttatct ttctataaaa atggtagtta 600
gatctggagg tctgattttg tggcaaaaat acttcctagg tgggtgctggg tacttcttgt 660
tgcacctctg caggaggcag ataatgctgg tgccctctta ttggtaatgt taagactgct 720
gggtgggttt ggagttcttg gctttaatca ttcattacaa agttcagcat tttacctgat 780
cgtntcagtg gtcattgatg atcattgctg agatccacac tatattaggg gcggcagaac 840
aggtgttttt ctaattctgc ta                                     862

```

<210> 1564

<211> 3107

<212> DNA

<213> Homo sapiens

<400> 1564

```

ggaatgtttc aaaaggatat gatgaactga ggcttatcga gtcagggagc agaaagctga 60
aataagaccg ctaagctcta aacaaatccg ttaaagcttc acagggcaga gcagaacaaa 120
aatagtatac tcaatgtata gtcggaaaagc agccgaagaa gtgaagcgag aactgataaa 180
gttaaaagtg aactattaca ttctagaaga gtcatggtgt gtaagaagat ccaagcctgg 240
ttgcagtatg cctgaaattt gggatgtaga agatcctgcc aatgctggga aaactccctt 300
atgtaacctc ttggtgaagg attccaaacc tcacttcacc actgtattcc agaacagtgt 360
ttacaaaagtc ctagaagttg taaaagaatg actgctacat gacctgctgc ctacggagaa 420
ctacatctgt aatggtttta atgttttgct aagtcatgtg ttgttcatat cccaaaaact 480
tttataggta actgttttca aatagaaaac gttttatttg gtcaatttga atgtcattct 540
aattataaaa atgacttaca cctttatcaa ttggttacta tttcaatgca ccctttaaaa 600
tttgctatgc aaatgagtat atgcttgtag ttgactttta ttttgtgct aaagttagca 660
aagctaactg tataaagaaa acacagtggg ttgtgacaag gatgacatga aaatacagga 720
caattctgac aatgtagggg ctgattttat agtgtaagaa ctattaatgc cccttgsttc 780
ttttttctgc ctcttgctct tgtcttttgg acatttcagt gattgtaagt tcttcggtca 840
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cttaacttcc agccatatgg cattatcgtg tctctttctc tctctctctt gctctctctc 1080
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cttaagcctt atgtttataat tttggttcta aaaaccatca tttcagtata aggaataagt 1560
atatttcgtc ctccctcttta gtttttttct tcctattttat ttttattttg aaaaatttct 1620

```

975

```

acaccttctt tgaattcctt gtatgaattt ttgtttctta gaagttaatt tgtgtgaaat 1680
gagattcttc aaaacgatga aacctcatag ctctgagaaa aggttttagg gttttaaatt 1740
ctaagcaaag cgtgactatg gctgacagac tacacattta attatacagc ttctctttct 1800
taaccacagg cagattaacc tcattgtgga ttgtccttca gaccttagtc ctcaggcatg 1860
gtttctggtg cccactcctg gaagccgctg ttccctttct accttcttac cagagcccaa 1920
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tcccagggat gtccttctcc tggaggcagc ccaggagagg gactctggca gcgttcttca 2100
gatttgtggc cactgtttct catttgctgg ttgactgttt ttatttctta ggcttttgc 2160
agtttttaga aatagggaag cagcccttga tttgtggatt aaaagcaaca tttagcgat 2220
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tgtataggaa aaaagcatta aaaatactat tataactgct tcatttgctg ggaaccatta 2520
aaagtaatat aaattagctt tttccagaag gatccttttg tagcagtgtt tatgaatgta 2580
acccccagca aaatatggct atatatagg ggagccagtt tggagcagag gcctgaagg 2640
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tgttttgc atgttttagca ttacaaata tttttgcttt agtatgagga aagtaaggat 2820
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gtatttcttt aaaaagataa gcctctaaaa atgcttggca aaaaaaatat agtggttaaa 2940
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aggagtattg tatttttatg aattttatgc cagttgttta catgtactat atatgttaaa 3060
ttaaaaaaaaa tcatgagtaa tgaaaaaaaa aaaaaaaaaa aaaaatt 3107

```

<210> 1565

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 1565

```

ctcgtgccga attcggcacg agstctctgc aggccccatc gagggaagaa gctgccaaagt 60
ggagccaggt ccggaaagat ctgtgctctt traagggtctc tctgcagctg cgggggggagg 120
atggcagtg ctggaaactac aaacccccag ccgacagtgg cggnaaagag atcttctccc 180
tgctgccccca catggctgac atgtcaacct acatgttcaa aggcacatc agcttttgcca 240

```


976

aagtcacatctc ctacttcagg gacttgccca tcgaggacca gatctcctgc tgaaggnggc 300

<210> 1566

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<400> 1566

```

ggtgacagct sccagcggca tctctgatgt caccgtgggtc tacctgaacc cagaacagca 60
ttgctgccag gaatccagtg atgaggaggc ttgtccagag gacaagggac cccaggaccc 120
acaggcactg gcgctggaca cccagatccc tgcaaccctt ggacccaaac ccctgggtccg 180
caccagccgg gagccaggga aggacgtcac gacctcaggg tactcctccg tcagcaccgc 240
aagtcccaca agctccgtgg acggtggctt gggggccctg ccccaacctt cctcagtgtt 300
gtccctggac agtgactcgc acacacagcc ctgccaccat caggccagga agtcatgttt 360
acagtgtcgt cccccaagtc ccccgagag cagtgttccc cagcaacagg tgaagcggat 420
aaacctatgc atacacagtg aggaggagga catgaacctg ggccttgtga ggctgtaagt 480
gtgtcagcac atttgccgca ntggatktgt actgangggg gtggagcgaa ggtggaa 537

```

<210> 1567

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<400> 1567

```

gtggttgccct taatgatgaa cacttggaag aactgggagg aatactgaaa gcaaaacttg 60
aagggcactt taaaaaccaa gaattgagac aggtgaaaag acaggaagaa aactatgatc 120
aacaggttga gatgtctctg cangatgagg atgaatgtga tgtttatatt ctgaccaaag 180
tatcagatat tntgcactca ttatttaagt acttatgaag garaagattt taccatgggt 240
tgaacaacta cttccattaa ttgtaaatct aatttgtttc aagtaggcca tggccagaca 300
gacatggggg ttgtggcata tttggatgga cat 333

```

977

<210> 1568
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 1568
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aaggccctgc ccggaggact ggctgctcta cggaaggaag tgctacttct tttccgagga 120
accagagac tggaacacag gcaggcagta ctgccacacc cagaggcggt tgctggctgt 180
gattcagagc cagaaggagc tggaatttat gttcaagttc acgcggagggt agccctggat 240
tggactacgc agagttgggg acgaattcca ctgggtcaac ggggacccgt ttgatccgga 300
cacgttcacc atcgcagggt caggggagtg tgtcttcgtg gagccacca ggctgggtgtc 360
gacggagtgt ctgatgaccc ggccctgggt gtgcagcaag atggcctata cttgargtgg 420
gtkgggccag angtkgcmg cccctargcc tgtgggargt gtctgggtgtc tgctcaagac 480
ctgcttccag cggacgcgcc tgcctctctc aaggcgaacg ggtgggtgcg tggcctccgc 540
cccaggcccc tctcccaggc cctggcgctc tgagtccttg gttcctggcc tcctttgtct 600
gcaggcaggt cgtgtggctc agcagttaaa tcccatatgc taggtagtgc 649

<210> 1569
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1569
cggagccagg cccggagctg agggggccag ggcctttgga ggaagcattg gcctccaggc 60
tgaagagcaa gggccgtgtc acctgcccgg agggcggtct catctctgca gccaggtcag 120
aggaagcagc ggtggggaga cggagtgcgc gagttgggag gctccacgca tcgtaggtgg 180
agagctggct gccagcctgg cctgccctct ctccccgct ccaccatctc gcttggtctc 240
ggcacctgcc tgggaagacc cacacctccg tctgcagtgc ctcttcccc tggaggccct 300
gccctccgct cgggggtcccc gcatccttcc gtggccctca gagcatcgcc tggggcgccc 360
gcngaactca tctgttaagc ctgggatcan gca 393

<210> 1570
<211> 566
<212> DNA
<213> Homo sapiens

978

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 1570

```

gaattcggcc gaggagagat ctctagggga cctgatgtgc acttgacaca tggccttgag 60
cccaaagatg ttaacaggga atttaggcta acagagagca gcacttgatga gccttctact 120
gtggctgctg tcctatctcg agctcaaggc tgcagatccc cttctgctcc tgacgtgagg 180
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gtgtgtcaaa ccaattccag aaccamctgc aacaactcag gggaccacac accctggatt 420
taagtgaarg gtctgctgag agcaagttgg tggtagagcc acagcatgaa tgtttagaaa 480
ataccactag atgttttttg gaaaagccac aattttccac tgagttgagg gatcacaatc 540
gcttggtatc ccaagncaag tttgta                                     566

```

<210> 1571

<211> 1657

<212> DNA

<213> Homo sapiens

<400> 1571

```

gctacctagt gtctccttct gacctcatta tctgtctgaa taaacttcag atgggtactg 60
gatgtatatt gactactgtc aaataaaaatg aactttgttt tagttaaggc cagatatgat 120
gtggttggtg tggttttgga catgtttttt cagggttgcac ctggagggtg tggggttgga 180
gatggtgttc aagaaccaac cacaggcaac tggagaggaa tgctgaaaac ttcaaaagct 240
gaagagttat tagcagaaga aaaatcaaaa ccatttccaa ttatgccagc cagtccacaa 300
aaagggtcatg ccgtgaacct gctagatgtg ccagttcctg ttgcacgaaa actatctgct 360
cgggaacagc gagattgtga gggtattgaa cgactcatta aatcatatct tctcattgtc 420
agaaaagaata ttcaagacag tgtgccaag gcagtaatgc attttttggt taatcatgtg 480
aaagacactc ttcagagtga gctagtaggc cagctgtata aatcatcctt attggatgat 540
cttctgacag aatctgagga catggcacag cgcaggaaaag aagcagctga tatgctaaag 600
gcattacaag gagccagtca aattattgct gaaatccggg agactcatct ttggtgaaga 660
gaactatgta atactgagac tttgttgact caaaacttgc tagttactgc ctacctgagt 720
agaatcttat ttatgaactc ctgtgtattg caatggtagt aatctgctca tgtggagact 780
ggctataaac tgaaaagtgt attccaaatt gcagaacaca tcacacatct aatccaaata 840
ataaatggct gtttctaaag tttcccagta tatataaaat acatcaagtc tgtcttgtga 900
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aagaaagctg aatgcacaag aggatctgtg aacttgacat ggctgtggtg tgcatactgt 1260
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gattcatact taaacctgaa agcaggaatg cctacattaa ttctacatt aaaaacagcc 1380
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tctctaaagt ggagcactta caccaggctc taagattcac tttgaggtgg aacttaaaac 1560
cagtgtagctg tatgtatgca ttggtaatag ctacttttgc ttcatagctt cataccaaca 1620

```

979

aaatatatattt attagaatag tatgaaagta ctggagg

1657

<210> 1572

<211> 1186

<212> DNA

<213> Homo sapiens

<400> 1572

```

ggcacgagaa ataatcacct ggagtttggt aaaccatatg gattctcagg ctctctctctt 60
gaagattctg attcagtagg tctgggagtg gcgccctgga ttttgatcaa aattgtagag 120
cattttaagg tgagtacctg agggagaact taaagacatc ttagttgggg agtagtcctt 180
ttgaatttta cagctagata taatcttcag tcagataaaa tttatgggag ctggtgtctt 240
atgcctgact cttagtaatt tcataccggg ttgaagtacg tgtgcccatt cctaaagcct 300
tgactttcag aatgttgtct tttgattctt ctgtcttgat ttgattaggg gtgaaattta 360
gaagtcttag taatgtaact tgaagatggt aaacaaaaat ctcaagtaaa atgaaaagca 420
aatatgggct actgaattaa gaaactggca ttctagtatt aaatcctcac ttcaggagct 480
tttaaaaaata ctgagacccc ccataacca gagattcaga ttcaaagact gaggatagga 540
ccttagcatt gtagctatatt aaagtttcta atgtgcaccc agggttggga atcaccaatg 600
tgggtgtgaa aatgcctaca aagggtttta gtgccttaga agtcctaaga agcccaatct 660
gtatcaaaagc agatccattt tgcaaggatc tttcttttag aactttctca gttctcttag 720
taagaacttt agaagtaatc ttgataataa gcacagacag cctaacagca gaggcaactt 780
aaataactcc tgagcagttg gcactagaac agaatacttg gaatgacacc aaagttaacc 840
aagtcagca tatgtccaaa gagttaagtg tttcatttac tgtagcattc tgggtgagaa 900
attggttgct gaaatcttaa gacagtggtc tcaaccttgg ctgcacattg gaatcacctg 960
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catctactgt gcaaaagatca tgattaactg tcaagacact ggtagaacag aacaagcaaa 1080
agattaagag ttcaaaaagta aatgcaacca wtttaacatg tagtgttatt aaaaaattac 1140
aaaggcctag accagcctgg gcaacagaga ccatgcttaa aaaaaa 1186

```

<210> 1573

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 1573

```

gtgctntttt ttnaatgctg gggttaaaca aagtgtctctt cttggactta aagacctttt 60
gtctcaatac ccatttataa ttgatgcaca cttttcaaac atattaagtg aagtgactgc 120
tgtgtttaca gataaagatg ctaatgtacg attagcagca gttcaacttc ttcaattcct 180
ggcccccaaa atacgagctg aacaaatttc tccatttttt cttttggtaa gtgccatct 240
ctctagtgcc atgactcaca ttactgaagg aattcaggag gactctttaa aagttttgga 300
cattctgctg gaacagtacc cagctctaata tactggccgt agcagcatat tgcttaagaa 360

```

980

```

ttttgtagaa cttattttctc atcagcagct gtccaaagga ctgataaata gagacagatc 420
ccagtcctgg atacttttctg taaatcctaa tcgggagactc acttctcagc aatggaggct 480
gaaagtctta gtgagactca gtaaattcct tcaggccttg gcagatggat ccagtagggt 540
gagagaaagt gaaggacttc aggaacagaa agaaaatccc catgccacta gcaactycat 600
ttttatcaac tggaaggaac atgccaacga ccagcaacac atycagggtt atgaaaatgg 660
ggggtcacar gcaaaggyag gtccargtya agstacggat ctggttggag gactgatggg 720
gggat 725

```

<210> 1574

<211> 1135

<212> DNA

<213> Homo sapiens

<400> 1574

```

caaaagcata gagaaattat aaaattcaag aacagatggt agaatggaaa ctgatctaga 60
ggttataata aaggataata gtcttggtgt gacaccatca cacatcaaag cctacatggt 120
gatgactctt caaggattag aatatattaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaatctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccagag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggtgtgata ttagcagagt tacttctaag gggttccttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcata 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatcgcc 660
agggccaaaca cctggatgtc agctgccaaag accaaactgt ccagtggaaa ccttaaagga 720
gcaatcaaata ccagcttttg caataaaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgcccaag aaactaatat tttaaagaga acactggaca acattttact actgagggaa 840
atagccaaaa aggcaataaa tggaaaaata gtaaacatta agtaaagtgt gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaaatgt 960
attttaaaat aaaaatttaa ttctggtttt tctgattaga gtgcaaaagt gagaaaagtt 1020
caatactctt gaaatgtaga attgaaaatg cattagggaa aacttaataa aaattattac 1080
cagttatttg gaagatctga cccatatagt atcacaaatc tgtagtagca tgggt 1135

```

<210> 1575

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (845)

<223> n equals a,t,g, or c

<400> 1575

```

taagatagca aaccagttcg ttttaagtaa gctaacttgt tcattagtat ctgtggctta 60
aaatggcaaa aaagaaaaata tccttgagtt tgtaatctag ttacagaagt aaggcataca 120
cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgcgt gtctctgtgt 180
gtgcacgtgc acgctcatgg ccaaagtgtc gcaactctaca taaaggaggc aggagttcct 240
ataggctatt taatgtaaga gaaactatct ttctcctgtt ccagctgtat cagatactcg 300
ttccgcaaca cagaaatgac tcagaatctc agacaaaatg tattatttgt tcaatttttaa 360

```

981

```

ttttgctact acattcataa ctcttaaatt gttaggctgt ttcatttaca tcaaagttat 420
ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacactgtgt 480
tggcaccata ttttacaagt ttttttcttc ttctcacagt gatcttgtga gttagttact 540
tatattttta ttagaactca ttattctggg taccctccaa tgagaattag agaggttaaa 600
taccttttcc tagattccca cagcaggaag gtgggcatag ctgttttgtc tgacaccaga 660
acccatctca ccacactgct ttacagtctt cctgaaggac attttgagggt ggggggggct 720
tcaaagctca gagactgggt ttgaatgggt ttaattttgc aakggatcat gtccatgcc 780
ggtgttaciaa ttcttaactt cctccaaatt cgkgtgtcca ttagacattt ggggtacatcc 840
gggcngggga gggtcaggg                                     859

```

<210> 1576

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1576

```

cgggtcgacc cacgcgtccg agaaaaagag ggaggagaga aggaagggtcc tggaggaggc 60
tgaagcagag gaggaagagg aagagtgagg gatggagaaa gggcagagga agagacatga 120
gaaagggaga ggaagagaag ccagctctg ggaactgaat caggaaactc aaatcgaata 180
gggaagtaaa aaaacaaaac aaaaaacaaa aaaaacaaaa aaaaaaccct atttaaata 240
aaggagttaa aaaacatttt ttaaggaggg agaaaggaga aattttgggt tttcaacact 300
gaaaaaatac tacctatagg aaagtctgtc aggtttgggt tttttgtaca atatgaaaag 360
gatattatct acctgttctg tagctttctg gaatttacct ccccttttct atgttgctat 420
tgtaaggtct ttgtaaaate ttgcagtttt gtaagccctc tttaatgctg tctttgtgga 480
ctgtgggtct ggactaacc cgtgtgtggt tgccctcctg agcctccgcc ttcccagcag 540
cggcaccaag gggccttagg gagcccaaaa acctaccact cgcgtgttcc ccaagcgcct 600
ggctgtctgt tcttgcttcc cgtccccag ccccatgtct cctttttacat tctgtgtgta 660
tctaaaggat ggaaaaataa aacgcaatta aaaataaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aa                                     732

```

<210> 1577

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1588)

<223> n equals a,t,g, or c

<400> 1577

```

tcttgtcttg gccggtggtg gccaaccaag tggtgaaact tgggaacctt gagttcaagc 60
ccgaatctcg agtgaatggt ctagatgaaa gcaaaatcaa agataaaaat gagttaaaag 120
aaattttgtga attgaccggc attgatcaat cagttctaga acgagcattc agtttccgaa 180
cagttgaggc caaacaggag aaagtttcaa ctacactgaa tgtggctcag gcttattatg 240
cccgtgatgc tctggctaaa aacctctaca gcaggttgtt ttcattggtg gtaaatcgaa 300
tcaatgaaag cattaaggca caaacaaaag tgagaaagaa ggtcatgggt gttctggaca 360
tttatggctt tgagattttc gaggacaaca gctttgagca gttcattatt aattattgta 420
acgaaaagct gcaacaaatc ttcattgaac ttactcttaa agaagagcag gaggagtata 480
tacgggagga tatagaatgg actcacattg actacttcaa taatgctatc atttgtgacc 540
taatagaaaa taacacaaat ggaatcctgg ccatgctgga tgaagagtgc ctcagacctg 600

```

982

```

gcacagtcac tgatgagacc ttcttagaaa agctgaacca agtatgtgcc acccaccagc 660
atTTtgaaag caggatgagc aagtgtcttc ggttcctcaa tgacacgtct ctgcctcaca 720
gctgtttcag gatccagcat tatgtctgga aggtgtgtga ccagggtgga ggattcgttg 780
acaaaaacaa tgaccttmtc tatcgagacc tgtcccaagc catgtggaag gccagccatg 840
ccctcatcaa gtctttgttc cccgaaggga atcccgccaa gatcaacctg aaaaggcctc 900
ctacagcagg ctacagttc aaggcatccg tggccactct gatgaaaaac ctacagacca 960
wgaamccaaa ctatattagg tgtatcaaac cgaatgataa aaaagcagca cacatcttca 1020
acgaggctct agtgtgtcat cagatcaggt acctggggct tttggagaac gtccgagtgc 1080
ggagggcagg ctacgccttc aggcaggcct atgaaccttg cctagaaaga taaaaaatgc 1140
tttgtaaaca aacatggcct cattggaaag gaccagccag gtctggtgtg gaggtcctat 1200
ttaatgaatt agaaattccc gtggaagaat actccttttg tagatcaaag atattcatcc 1260
gaaacccaag aacattattc aaattagaag acctgaggaa gcaacgcctg gaggacttgg 1320
ccactctcat tcagaagata tatcgggggt ggaaatgccg cacacacttc ctgctaata 1380
aaaaaagcca aattgtgatt gccgcctggg acaggagata tgcgcaacaa aagagggtacc 1440
agcagacaaa gagttccgcc ttagtaattc agtcttatat ccgggggttg aaggctcgaa 1500
aaattctgcg ggaactgaag catcaaaagc gctgtaagga agcagtcacg accattgctg 1560
catattggca tgggacccar gywswanga agaatcagga aattcttcag agccaatgct 1620
ggaaaagaaa atctat 1636

```

<210> 1578

<211> 659

<212> DNA

<213> Homo sapiens

<400> 1578

```

gaattcggca cgagaaaaat gaccctatga ttgtgtcttt taaaaaggcc aagcccaatc 60
ctcttcaacc ccggctcacc ctctggtggg ccacggttgg gcacaacttc cccaactgat 120
gggccccttg cttcagctat cctccttgcc gcaatttctt gggcaaagat gcttctctta 180
ccagatgttg ctgatttccc ctgtggggca aaaagaaaac ccaggttact gatgctcatc 240
atcccacttt cctctcaacc tctttatatc aaggcctctg gaacaaagag ataaaagggg 300
atttgcctca tttccaggga tcacaacct agttctcaga aaaaggagag gtctataaga 360
gtaaaggctt tagactctga cagacttggg ttgaagttct ggctcttcta cctattagat 420
gtgtggtgtt ggacaagtta tttatctctt tgggggtctc gtttctctat atgaaaaatg 480
ggaataagga ctctcatcc ccaaggatc atcatgatac ctgccttata tgtttgttat 540
gaagattaaa agaagtaatg ggtatgaagt gcttagtatg atcctgcttt gtaaatataa 600
ttgcttatca tcattaaaac tacctgctg gagaaaaaaa aaaaaaaaaa aaactcgag 659

```

<210> 1579

<211> 1866

<212> DNA

<213> Homo sapiens

<400> 1579

```

gcggaacgct gggaaacaag ctgctaacaa tagtttgctt ttacatcttc taaaagcca 60
gactatacct aagccaatga atggacacag tcacagttag agaggaagca tttttgagga 120
aagtagtaca cctamaacta ttgakraata ttcagawaac aaycctagtt ttacagatga 180
cagcagtggg gatgaaagt cttattccaa ctgtgttccc atagacttgt cttgcaaaca 240
csgaactgaa aaatcagaat ctgaccaacc tgtttccctg gataacttca ctcaatectt 300
gctaaacact tgggatccaa aagtccaga tgtagatata aaagaagatc aagataccyc 360
aaagaattct aagctaaact cacaccagaa agtaacactt cttcaattgc wacttgacca 420
taagaatgaa gaaaatgtag aaaaaaacac cagcccyag ggrgtacaca atgatgtgag 480

```

983

```

caagttcaat acmcaaaatt wtgcaaggac ttctgtgata gaaagcccca gtacaaatcg 540
gactactcca gtgagcactc cacctttact tacatcaagc aaagcagggg ctcccatcaa 600
tctctctcaa cactctctgg tcatcaaatg gaattcccca ccatatgtct gcagtactca 660
gtctgaaaag ctaacaaata ctgcatctaa ccaactcaatg gaccttacia aaagcaaaga 720
cccaccagga gagaaaccag cccaaaatga aggtgcacag aactctgcaa cgtttagtgc 780
cagtaagctg ttacaaaatt tagcacaatg kggaaatgcag tcatccatgt cagtgggaaga 840
gcagagaccc agcaaacagc tgttaactgg aaacacagat aaaccgatag gtatgattga 900
tagattaaat agccctttgc tctcaaataa aacaaatgca gttgaagaaa ataaagcatt 960
tagtagtcaa ccaacagggt ctgaaccagg gctttctggg tctgaaatag aaaatctgct 1020
tgaaagacgt actgtcctcc agttgtcctt ggggaacccc aacaaaggga agagtgaana 1080
aaaagagaaa actcccttaa gagatgaaag tactcaggaa cactcagaga gagctttaag 1140
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cacaaatgtg cacttgagcc atgatgctaa gagtgcacca ttcttgggta tggctcctgc 1260
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agaatcaaag aatcttttgca tgggtccctaa gaaaaggag ctttatactg agccattaga 1500
aatccattt aaaaagatga aaaacaacat tgttgatgct gcaaacaatc acagtgtccc 1560
agaagtactg tatgggtcct tgcctaacca ggaagagctg aaatttagca gaaatgatct 1620
tgaatttaaa tatectgctg gtcattggct agccagcgaa agtgaacaca ggagttgggc 1680
cagagagagc aaaagcttta atgttctgaa acagctgctt ctctcagaaa actgtgtgctg 1740
agatttgtcc ccgcacagaa gtaactctgt ggctgacagt aaaaaggaaa ggacacaaaa 1800
ataatgtgac caacagcaaa cctgrattta gctttcttct ttaaattggac tgatgtacag 1860
ttccct 1866

```

<210> 1580

<211> 1496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

984

<221> misc feature
 <222> (28)
 <223> n equals a,t,g, or c

<400> 1580

```

annctatata ncatcacagg aanggtanac tgacagtacg gtcggattcc cgggtcgacc 60
cacgcgtccg ctgagccatt agaaaatcca tttaaaaaga tgaaaaacaa cattgttgat 120
gctgcaaaca atcacagtgc cccagaagta ctgtatgggt ccttgcttaa ccaggaagag 180
ctgaaattta gcagaaatga tcttgaattt aaatatcctg ctggtcatgg ctcagccagc 240
gaaagtgaac acaggagtgt ggccagagag agcaaaagct ttaatgttct gaaacagctg 300
cttctctcag aaaacttgtt gcgagatttg tccccgcaca gaagtaactc tgtggctgac 360
agtaaaaaaga aaggacacaa aaataatgtg accaacagca aacctgaatt tagcatttct 420
tctttaaatg gactgatgta cagtccact cagcccagca gttgcatgga taacaggaca 480
ttttcatacc caggtgtagt aaaaactcct gtgagtccta ctttccctga gcacttgggc 540
tgtgcagggt ctagaccaga atctgggctt ttgaatgggt gttccatgcc cagtgaagaa 600
ggacccatta agtgggttat cactgatgcg gagaagaatg agtatgaaa agactctcca 660
agattgacca aaaccaaccc aatactatat tacatgcttc aaaaaggagg caattctgtt 720
accagtcgag aaacacaaga caaggacatt tggagggagg cttcatctgc tgaaagtgtc 780
tcacaggtca cagccaaaga agagttactt cctactgcag aaacgaaagc ttctttcttt 840
aatttaagaa gcccttaca tagccatatg ggaaataatg cttctcgccc acacagcgca 900
aatggagaag tttatggact tctgggaagc gtgctaacga taaagaaaga atcagaataa 960
aatgtacctg ccatccagtt ttggatcttt ttaaaactaa tgagtatgaa cttgagatct 1020
gtataaataa gagcatgatt tgaaaaaaag catggtataa ttgaaacttt tttcattttg 1080
aaaagtattg gttactggtg atgttgaaat atgcatacta atttttgctt aacattagat 1140
gtcatgagga aactactgaa ctagcaattg gttgtttaac acttctgtat gcgtcagata 1200
acaactgtga gtagcctatg aatgaaattc ttttataaat attaggcata aattaaaaatg 1260
taaaactcca ttcatagttg attaatgcat tttgctgcct ttattagggg actttatttt 1320
gcttttcaga agtcagccta cataacacat ttttaaagtc taaactgtta aacaactctt 1380
taaaggataa ttatccaata aaaaaaaaaacc tagtgctgat tcacagctta ttatccaatt 1440
caaaaataaa ttagaaaaat atatgcttac atttttcact tttgctaaaa aaaaaa 1496

```

<210> 1581
 <211> 3898
 <212> DNA
 <213> Homo sapiens

<400> 1581

```

cacacttgaa gctgaaaaag aaagaagaaa atctgggcta tcctcaagag ttcagtttcg 60
aaaccaaggt tctgagccca aatatactca agaactaact ctgaagaggc agaaacagaa 120
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tcccataact gctcagtggt agatccaaga gccagctct cgtaggcgag tgaattcact 240
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985

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gggagttgct aaaccttccc aggtgtatatt tggaggtaca gttgttggcg agcaagctat 900
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986

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 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (445)
 <223> n equals a,t,g, or c

<400> 1582
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 gttcagaacc cttagacctc atctcgtcc cctttggcaa ctcttctccc tcagatatag 240
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 tgacagaagg cctggtcctg ggacacaatg awtgacagcy tcagcaagat cctgctggac 360
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<210> 1583
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1234)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1273)
 <223> n equals a,t,g, or c

987

<400> 1583

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cgacgcgcag ctgcaggctg agaagcagaa ggccagggaa gaagaggagc aaaaagaagg 180
tggagatggg gctgcagggtg accccaaaaa ggagaagaaa tctctagact cagatgagag 240
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cgagaacccc aaccgggtgg cacagacaac caaaaagggtc acacaactgg atctggacgg 360
gccaaaggag ctttcgagga gagaacgaga agagattgag aagcagaagg caaaagagcg 420
ttacatgaaa atgcacttgg ccgggaagac agagcaagcc aaggctgacc tggcccggct 480
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gcgacccgtg ggaggagatg ccgggggacct gggccgcgct gccaggacct ctgctgtgtc 660
tcgcccaccc tgtgccttgg ccgcgctgca acagcccctc atggccagga gccccccatg 720
gcctggggcc tcctcttcat cttggcacag aaattgtttg ggggatgggg ggggggactg 780
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ccaggcaaaa catgtctccac aaattcaact tgtatatattg gcagattaaa cttgacatta 1200
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aggggggngg ggnt 1274

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<210> 1584

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1584

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cattgttttt tctacctgtt tgtcttattt ttagaataat ttagaaaaac aaaacaaagg 180
ctgtttttcc taattttggc atgaaccccc ccttgttcca aatgaagacg gcatcacgaa 240
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tcctgggggac gtggagggtg gcagcgtccc cgctgcacc agtgccgtcc tgcgtgatgtg 360
gtaggctagc aatatttttg ttaaaatcat gtttgtgact gtaaccattt gtatgaatta 420
ttttaaagaa ataaaaatcc tggaaaagara aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaaa aaaaaaaaaa

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<210> 1585

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<400> 1585

988

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cccttggtgg  caatgccaa  actgtgatgg  tggccaacgt  ggggcctgcc  tcttacaacg  180
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caaggggtcaa  tgaggacccc  aaggatgccc  tycttcgaga  attccaggaa  gagattgctc  300
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gcgccaagat  caaggtacca  taccctgacc  ctcccttagg  cccttgccct  gtcactgctt  660
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<210> 1586

<211> 1808

<212> DNA

<213> Homo sapiens

<400> 1586

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tcaagatgga  ggtggactac  agcgccacgg  tggatcagcg  cctacccgag  tgtgcgaagc  180
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aaaaaaaaa                                     1808

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989

<210> 1587
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (201)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (341)
 <223> n equals a,t,g, or c

<400> 1587
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 gtcaaggtga ggtcaaaggg ggaaagggca ctgggggtga tgtcaagggg agggcccaga 180
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 caacaggctg ggtcaca 377

<210> 1588
 <211> 1486
 <212> DNA
 <213> Homo sapiens

<400> 1588
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 ttcccgtccg tgccgagccc actcgagccg cagccatgtc tggggacgag atgatttttg 180
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990

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ctatagatgg taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa 960
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gttctgttgc cagtatcaaa accggcttcc aggctgtcac gggcaagcga gcacagctcc 1140
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acagtgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486

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<210> 1589

<211> 998

<212> DNA

<213> Homo sapiens

<400> 1589

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gccaccagct tggacttcta gggactttcc tctcagccag gaaggatttt gatattcatc 180
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<210> 1590

<211> 2122

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1306)

<223> n equals a,t,g, or c

<400> 1590

991

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catcagacat ggacaaggga actgcagggtc actctggaag atggttacat tgaattgagc 180
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cattatgtat ctgtaataag cgacaactct ggactacggc ttctcatcga tgaccagctt 300
ctgagaaata gcaaaagggt aaaacacatt tcaagttccc ggcagtctct gcgtctgggc 360
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gaagtcctag atttgaccag taactctctc aagagagatg tgtccctggg aggctgcagt 480
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<210> 1591

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

992

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 1591

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gtgggcctta acatccctcc tgccttttagg agaattcaca gaacctactg ttcctttcag 180
atgacctttt ggaaaatagt tccctttgcc aacagaaaca tgccagaagg aatcttctca 240
tcttttatct aactatatgt acagctctcc cctcccttgt ccttgaaagt aggatatagc 300
gaaaggcgag tccaggagct caggaagaag agatgcacta tatgtttaca caattaattc 360
atcccttaat ttaagtcatt ttcattgtgt tgagtttgtc ggttgtgaaa tactttgtcc 420
taagagattt atctttntac agattttcta gaaatgtttt aggttactaa aaacagggtt 480
ggggcaaaact ntgttaaact ggtacaattt tataggtgga aagaaaaaa 529

```

<210> 1592

<211> 1216

<212> DNA

<213> Homo sapiens

<400> 1592

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ggtgctacct ggctctcctg tctctgcagc tctacaggtg agggccagca gagggagtag 60
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gtccacccca gtccctttca gstgctgctt aatgccctgc tctctccctg gccacctta 180
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cgaggcacca gagtctccct gggtcttgtg atgaactaca tttatccctt ttcctgcccc 300
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caccaaacad ctttcagctg ctgggaggtg accatagggc tctgctttta aagatatggc 480
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ggatgtcaaa aaaaaa 1216

```

<210> 1593

<211> 689

<212> DNA

<213> Homo sapiens

<220>

993

<221> misc feature
 <222> (565)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (582)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (620)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (649)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (670)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (680)
 <223> n equals a,t,g, or c

<400> 1593
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 gaacttatatt tcctgtgaaa atgcctacca caaagaagac attgatgttc ttatcaagct 180
 ttttcaccag ccttgggtcc ttcatgttaa tttgctctat tcttgggaca caagcatgga 240
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 gactttttcg tggggagagt agtgaagaat tgagtcacgg acttgcagaa ccaaagaaaa 360
 agttttgcagt tttagagata ctgaataatt cttcccaaaa aaactctgca ttcggtgact 420
 atcctgttcc tggtcctgag tttgatcacg tcgctgctga gctctgggtt taccttctac 480
 aacagcatca gcaaccctta ccagacattc ctggggccccg acgggggtgt acacctggaa 540
 cgggctcggg catccttcgt tttgngacca tgatactgtt gnggcgaaca cgcagtccaa 600
 ccaattttcc gaaagtggtn caaatgcttt aaccggaaac accagtaang gaccgaccac 660
 agttccgggn cctgttttgn taaaacggt 689

<210> 1594
 <211> 946
 <212> DNA
 <213> Homo sapiens

<400> 1594
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 ataagaagat attccttttt ttgtcctaga gaacttatatt tcctgtgaaa atgcctacca 120

994

```

caaagaagac attgatgttc ttatcaagct ttttcaccag ccttgggtcc ttcattgtaa 180
tttgctctat tcttgggaca caagcatgga tcaccagtac aattgctgtt agagactctg 240
cttcaaattg gagcattttc atcacttacg gactttttcg tggggagagt agtgaagaat 300
tgagtcacgg acttgcagaa ccaaagaaaa agtttgcagc atccttcgtt tttgtgacca 360
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tttaccgggc aaccaccagt aaaggaacga cccacagtta cggatactcg tcttgggtca 480
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cagcatttgt gtttcatgac actgtgttct tcattgatgc tgtactcctg aaaatttttc 780
ccacaagggt ggggaaatga atgggaaatg tcgctgggtc gtgtgggtatt caaagcagta 840
gtatcatgat gagcgtaacg acccttctga cctgggtctc cgatctgaaa taataaaagg 900
ctgtgtcatg tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 946

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<210> 1595

<211> 875

<212> DNA

<213> Homo sapiens

<400> 1595

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agaaccattg ctggaagcac taaaaattta tatcagaaaa agacgaccca gcaagcctca 180
catgtttcca aagatcttaa tgaaaatcac agatctccgt agcatcagtg ctaaagggtgc 240
agagcgtgta attaccttga aaatggaaat tcctggatca atgccacctc tcattcaaga 300
aatgctggag aattctgaag gacatgaacc cttgacccca agttcaagtg ggaacacagc 360
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actcgtgcaa taagacattt tctagctact tcaaaccattc cccagtacct tcagttccag 480
gatttaaaat gcaagaaaaa acattttttac tgctgcttag tttttggact gaaaagatat 540
taaaactcaa gaaggaccaa gaagttttca tatgtatcaa tatatatact cctcactgtg 600
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cagtcmaa at grtttaccct tggtttaagtt tctgaagact ttgtacatac agaagtatgg 780
ctctgttctt tctatactgt atgtttgggtg ctttctcttt gtcttgcata ctcaaaataa 840
ccatgacacc aaggttatga aatagactac tgtag 875

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<210> 1596

<211> 1257

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1254)

<223> n equals a,t,g, or c

995

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 1596

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ggtctccact cgctcttcca acaccgcctc gttttggcgg cagctcgtgt cccagagacc 180
gagttgcccc agagaccgag acgcccgcgc tgcgaaggac caatgagagc cccgctgcta 240
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ttggacctca atgacacctc ctctgggaag cgtgaacctt tttctgggga ccacagtgtc 360
gatggatttg aggttacctc aagaagttag atgtcttcag ggagttagat ttccccctgtg 420
agtgaatatg cttctagtag tgaaccgtcc tcgggagccg actatgacta ctcagaagag 480
tatgataacg aaccacaaat acctggctat attgtcgatg attcagtcag agttgaacag 540
gtagttaagc cccccaaaa caagacggaa agtgaataa cttcagataa acccaaaaaga 600
aagaaaaagg gaggcaaaaa tggaaaaaat agaagaaaca gaaagaagaa aaatccatgt 660
aatgcagaat ttcaaaattt ctgcattcac ggagaatgca aatatataga gcacctggaa 720
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taaaggtgca cgaaggtaaa agtatTTTT tcaagttgta aataatttat ttaatatTTA 1200
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<210> 1597

<211> 941

<212> DNA

<213> Homo sapiens

<400> 1597

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aagttgttct ctgaagagca aatgtctcat tccagtaatg acccactcag caggaatatg 120
gtggagtcca gtccaattca ggtcagccat atccaaaaga ccacaagtca ttactaagtt 180
gagcaaaaaga gtttttatct attagcagaa agggcctctc tggcagcaga gattaaaaaac 240
tggcccaact tcatttccat acttcagggg acagcaaatt gaggatttac ttatctagga 300
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cagttaacat ctcagagcta gaacattcca cattccccag cagcgtgtgg gggtgacta 480
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cccacccac caccctactc ctattttattc agcaccacac taccaggga atactactagc 600
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gtatcacttt ttctacattt tggtaaaata aataggagta ggggtggggg gtgggggtggg 720
taagggattc agataagcca gaagcagggt gattttwagt tgggaattgta aacttttagtc 780
agccccaca cgctgctggg gaatgtggat gttctagctc tgagatgtta actgrgaaaa 840
gagaagtcaa acaaagccga tacgtgcagc cctgtctaca gaatccttca ttatccagtt 900
taataaggag tttcttggtc ttttattaac ttgggtcgac c 941

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996

<210> 1598
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 1598
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 gtacagtggc cccccgtgaa agacagaatt gtgggtttcc tgggtgtcacg cctcccagt 180
 gtgcaaataa gggctgctgt ttcgacgaca ccgttcgtgg ggtcccctgg tgcttctatc 240
 ctaataccat cgacgtccct ccagaagagg agtgtgaatt ttagacactt ctgcagggat 300
 ctgcctgcat cctgacgcgg tgccgtcccc agcacgggtga ttagtcccag agctcggctg 360
 ccacctccac cggacacctc agacacgctt ctgcagctgt gcctcggctc acaacacaga 420
 ttgactgctc tgacttttgac tactcaaaat tggcctaaaa attaaaagag atcgatatta 480
 aaaaaaaaaar aaaagggcgg ccgct 505

<210> 1599
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (7)
 <223> n equals a,t,g, or c

<400> 1599
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 cagattgact gctctgactt tgactactca aaattggcct aaaaattaaa agagatcgat 180
 attaaaaaaaa aaaaaaaagg aaaaaaaagg gcggccgtct aagaggatcc aagcttacgt 240
 aacgcgtgca tgcgaaggtc atagctcttc tatagtgtca 280

<210> 1600
 <211> 1529
 <212> DNA
 <213> Homo sapiens

<400> 1600
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 tcttcagtta atggcaagac ttgcagaggg tacaggtttg cagattccgc cagcagcaca 180
 gcaagctcta cagatgagtg gctcttttggc atttgggtgt gtggcagaat tctcttttgt 240
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 agaagaagaa gttggatggg ataccgagat taaggatgat gtgattgaag aatgtaataa 420
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 gaagtgccca tcaattgctg cagctattgc tgctgtcaat gcattgcatg gcaggtgggt 540
 tgctggtaaa atgataacag cagcatatgt acctcttcca acttaccaca acctgtttcc 600
 tgattctatg acagcaacac agctactggg tccaagtaga cgatgaagga agatatagtc 660

997

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ccttatgtat atagcttttt ttctttcttg agaattcatc ttgagttatc ttttatttag 720
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aaataaaaaat gttaacagga atgcagtgtg ctcattctcc ctaaatagta aatcccactg 840
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<210> 1601

<211> 3096

<212> DNA

<213> Homo sapiens

<400> 1601

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taggaggaca aaatgggggtc aagaggacac agaagagttg tatagacca gattggttcc 180
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atltgttttc cccaccaagt ggctcttag actagtcatt aacttatgat tagctctaaa 300
gatttcaaat agtggcagac agtgtcttct gaatgtaagt tttgagaaat acgagtctgt 360
cagagcggcc ataagccata aagagtcaat ctcttaatta ttttttcat catgtaaaca 420
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cacagccctc gactttgcac ttaaaaaggg atattgtaaa tgaaaggctg cagtgccagt 600
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gttatataaa aatccgacag ctgaactagg ttgctctttt ttggcaggga gtggggatga 720
gatttgacac caatatgggc aaaattagat aaccttttgg ttaataataa tgattttgat 780
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acacacacac acacacacac acacacacac acgtgcacat tcctccctta catgctcatt 1740

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998

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<210> 1602

<211> 336

<212> DNA

<213> Homo sapiens

<400> 1602

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gtgctttgtg ctttgtgcat gtggtaggca gaacactacc atatgtcccc acatacttac 60
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aagctccctt ctccctgcgt tgccctcca gctscctctg ctgaccaggt ttagcatcat 180
gtgctctgta aaggaggaat tctggagagt ccagtcattt attacagagc tagtactgaa 240
gggtgagttt ggagttaaga ggcaataaat tgataactgg cacagaagcc aaatataaga 300
gtattgacta aataatagct aagtacaaga acacag 336

```

<210> 1603

<211> 1035

<212> DNA

<213> Homo sapiens

<400> 1603

```

gtgcatcggc ttogagtcag caattctgtc taccttcttg tccctgatgc ctataaattt 60
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tctgtcctgt cacaccaaag gtagcatctt tggaaagtct gaggccttgc ctagggagat 180
ggattgtata taccagttg tcacataatg taaggaagag aagggaatgt tgacctttca 240
gcctcagggc aatggcacca gggagtatta tggaaactct taaattcaac ttccaggat 300
tccttgggtg gtaactagac aatgaatata tacaaggctg acatgatggr attctgtcct 360
caggggtact tcggctcctt gtggaagcat ctagctcagg tgtgtcggta ctgagcctgt 420
gtgagaaagg tgatgccatg attatgggaag aaacagggaa aatcttcaag aaagaaaagg 480

```

999

```

aatgaagaa aggtaaaaaa aaaaaaatcc ctcactaatt ttccgtttga cctttatttg 540
gtcctatatg tttttatttt tttcactgta atgacgcayc ccaccccagc tctggctgag 600
gtatttggaa atttggwatg gcaagtggga tacaagcagt ttectaccta atccaaactg 660
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ccgggagaca gcaaggcagt aggctgatga ttctttcttt acagggtattg cttttyccac 780
cagcatttcg gtaaataact gtgtatgtca cttctccctt ttgaagagcg accaggatta 840
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agtgccttg ggggtccatgt ggatggcttc atcgctaattg tagctcacac ttttgtggtt 1020
gatgtagctc agggg                                     1035

```

<210> 1604

<211> 2231

<212> DNA

<213> Homo sapiens

<400> 1604

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cccacgcgtc cggcacagac agcacttcca tatgccatga atagcgagtt ctcaagtgtc 60
ttagctgcac agctgaagca tcactctgag aataagggcc tagacaaagt gatggagact 120
caagcccaag tggatgaact gaaaggaatc atggtcagaa acatagatct ggtagctcag 180
cgaggagaaa gatttgaatt attgattgac aaaacagaaa atcttgtgga ttcttctgtc 240
accttcaaaa ctaccagcag aaatcttgct cgagccatgt gtatgaagaa cctcaagctc 300
actattatca tcatcatcgt atcaattgtg ttcactctata tcattgtttc acctctctgt 360
gggtggattta catggccaag ctgtgtgaag aaataggaaa gaagaagtta ccattaacca 420
aggatatgag agaacaagga gttaaaagca atccatgtga ctcaagcctt tcacatactg 480
acagatggta tctgccagtc tcttcaaccc tcttctcact ttttaaaatc ttgttccatg 540
cctccagggtt tatctttgtc ttatctacca gtttatctct gtgaacttca gattgaacca 600
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tgagctatct actaaaacta tggagaaact ttgtatgtgc acacaaaagt attcaagaga 780
cagtattgct aacatctcat cttaatgtct ttgtttattg agaagtttta ggtgcttcaa 840
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tcccattgca gttgatttga gaagatgaag gtttaaatat tgttgaaagt tgcagttttt 1140
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acactaatgc ctcttaattg catcagtatt tcctattgga aaatacatct gttccagaaa 1980
aacatttggc attcctgaat aatttccaaa tgtttttaat ccaaagaaaa aggttttaag 2040

```


1000

```

cttattttccc tttcttatac acacctgaat aaaattgatg tgcattgttt agggatcaat 2100
tacctaactg ttccttggtc tatttatgta taagaatgct ttttaaagca catgtctcat 2160
tttaaattgac gcacaaactg aagatgttaa taaaatttaa gagtaatata atgaaaaaaaa 2220
aaaaaaaaaa a 2231

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<210> 1605

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (595)

<223> n equals a,t,g, or c

<400> 1605

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gaatttttggc atcaaggaca aaccacactt catcaaaggg attggagctg gagggagcat 60
cactgggctg aagtttaacc ctctcaatac caaccagttt tacgcctcct caatggaggg 120
aacaactagg ctgcaagact ttaaaggcaa cattctacga gtttttgcca gtcagacac 180
catcaacatc tggtttttgta gcctggatgt gtctgctagt agccgaatgg tggtcacagg 240
agacaacgtg gggaacgtga tcctgctgaa catggacggc aaagagcttt ggaatctcag 300
aatgcacaaa aagaaagtga cgcattgtggc cctgaaccca tgctgtgatt ggttcctggc 360
cacagcctcc gtagatcaaa cagtgaatat ttgggacctg cgccagggtta gagggaaagc 420
cagcttcctc tactcgctgc cgcacaggca tcctgtcaac gcagcttggt tcagtccega 480
tggagccccg ctcttgacca cggaccagaa gagcgagatc cgagtttact ctgcttccca 540
gtgggactgc cccctgggac tgatcccgca cctcaccgt cacttccagn acctnacacc 600
catcaaggca gcctgggac ctcgctacaa cctcattggt gtgggccgat acccagatcc 660
taatttcaaa agttgtacc 679

```

<210> 1606

<211> 1677

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1668)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1673)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1001

<222> (1676)

<223> n equals a,t,g, or c

<400> 1606

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gctttkttga gagegacatg ttigtggaac acagatgtgc agattttgga atggctgctg 180
ataagaataa gtttcctgga gacagcgtgg tcaactggacg aggccgaatc aatggaagat 240
tggtttatgt cttcagtcag gattttacag tttttggagg cagtctgtca ggagcacatg 300
cccaaaagat ctgcaaaatc atggaccagg ccataacggt ggggggtcca gtgattgggc 360
tgaatgactc tgggggagca cggatccaag aaggagtggg gtctttggct ggctatgcag 420
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gcccatgtgc tgggtggggcc gtctactccc cagccctaac agacttcacg ttcatggtaa 540
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atgttaccca ggaggagctc ggtggtgcca agaccacac caccatgtca ggtgtggccc 660
acagagcttt tgaaaatgat gttgatgcct tgtgtaatct ccgggatttc ttcaactacc 720
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tacctggcac agcacaggaa tacgggggca tcatccggca tggtgccaag cttctctacg 1140
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cattgtaaac aaatcaaagg aaaagaaacc aagaactgaa ttactgtctg ccatttcaca 1560
tcccattcct gccttttgca atcatgaaac ctgggaatcc aaatagttgg ataacttaga 1620
ataactaagt ttattaaatt ctagaaagat caaaaaaaaa aaaaaaanaa aanaana 1677
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<210> 1607

<211> 1209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<400> 1607

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accagacact cccgactgtg cgctgactct ccccgcccag ccagcagcct tttccagaga 120
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1002

```

ggctgtggtc catagcctct gtctgttttc actgcaggac caggcacgaa agttaaaca 180
aaatgaagat tttttctgaa tctcataaaa cagtgtttgt tgtggatcac tgcccttata 240
tggcagaatc ttgcaggcag catgtcgagt ttgatatgct ggtgaagaat agaaccaca 300
gaatcattcc tttggccccc atatctaaat cattgtggac tkgctcagta gaatcttcca 360
kggaatattg tagaataatg tatgatatat ttcttttcaa aaagctggtg aattttattg 420
tgagtgactc tggagcacat gtttttaaatt cttggactca agaagacca aatttacagg 480
agctaattggc agcattagcc gctgktgggc ctctaatcc tcgggcagat ccagagtgtc 540
gcagtattct gcatggcctt gttgcagcag tggaaactct ctgcaaaatt actgaatacc 600
aacatgaggc tcgtactcta ctcatggaga atgcagaacg tgttggaat agaggacgaa 660
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atctaggtgg cggcagtcga gaaggctcgt ttaaagaaac aataacatta aagtgggtga 1140
caccaagggn caaatnaaca ttgtgttttc ttctatttca ggaattacac tattgtactg 1200
gggtttat 1209

```

<210> 1608

<211> 2608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<400> 1608

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cgnccacgc gtccgcagca gggccaacag tcacagcagc cctgaccaga gcattcctgg 60
agctcaagct cctctacaaa gaggtggaca gagaagacag cagagaccat gggaccccc 120
tcagccctc cctgcagatt gcatgtcccc tggaggagg tctgtctcac agcctcactt 180
ctaaccttct ggaacccacc caccactgcc aagctcacta ttgaatccac gccgttcaat 240
gtcgcagagg ggaaggagg tcttctactc gccacaacc tgccccagaa tcgtattggt 300
tacagctggt acaaaggcga aagagtggat ggcaacagtc taattgtagg atatgtaata 360
ggaactcaac aagctacccc agggcccgca tacagtggtc gagagacaat ataccccaat 420
gcatccctgc tgatccagaa cgtcacccag aatgacacag gattctatac cctacaagtc 480
ataaagtcag atcttgtgaa tgaagaarca accggacagt tccatgtata cccggagctg 540
cccaagccct ccatctycag caacaactcc aaccccgagg aggacaagga tgctgtggcc 600
ttcacctgtg aacctgaggy tcagaacaca acctacctgt ggtgggtaaa tggtcagagc 660
ctcccggtca gtcccaggct gcagctgtcc aatggcaaca tgaccctcac tctactcagc 720
gtcaaaagga acgatgcagg atcctatgaa tgtgaaatac agaaccagc gagtgccaac 780
cgcagtgacc cagtcacctt gaatgtctc tatggccagc atggccccc catttcccc 840
tcaaaggcca attaccgtcc aggggaaaat ctgaacctct cctgccacgc agcctctaac 900

```

1003

```

ccacctgcac agtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc 960
tttatcccca acatcactgt gaataatagc ggatcctata tgtgccaagc ccataactca 1020
gccactggcc tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc 1080
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<210> 1609

<211> 2013

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 1609

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tctcggaaga ggagcaggaa gagctaagaa gagaacttgc aaaggtagaa gaagaaatcc 120
agatgctgca agcgagggtcc aagcacatct tgtcaacatg cattgccatg aatttctacc 180
agatgtgctt ttattttagct ttacatatcc ctttgaccaa atagtttgtg gggttaacaa 240
aatgaaaata tcttcacctc tattcttggg aaacaccctt tagtgtacat ttatgttctc 300

```

1004

```

ttattttagga aacaccatta taaaaacact tatagtaa at ggggacattc actataatga 360
tctaagaagc tacagattgt catagtgtgt ttcctgcttt acaaaattgc tccagatctg 420
gaatgccagt ttgacctttg tcttctataa tatttccttt ttttccccctc tttgaatctc 480
tgtatatattg attcttaact aaaattgttc tcttaaatat tctgaatcct ggtaattaaa 540
agtttgggtg tattttcttt acctccaagg aaagaactac tagctacaaa aaatattttg 600
gaataagcat tgttttggtg taaggtagat attttgggtg aagacaccag actgaagtaa 660
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taaattattt tttctatgaa ctagtctact tcttaaaatt caaacatatt cttttgatca 1920
cattgtttct tgagcatcct gcctgmyac taacttttca acaaggcaaa atggagtaaa 1980
rwggcaaytt ctttaratga gtgaaaaaaa aaa 2013

```

<210> 1610

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1610

```

ggcagagcgc cgacgcagac cctctctgc acgccagccc gcccgacccc accatggcca 60
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<210> 1611

<211> 979

<212> DNA

1005

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<400> 1611

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```

<210> 1612

<211> 504

<212> DNA

<213> Homo sapiens

<400> 1612

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ttaactttct cttttccaaa attaggttta aggatttatt tcacaaattt taaaggrgat 180
atgagtaaaa gtttttatct tttcttgact ttttctcctg aacacttatg tcttagcaag 240
tggtcaacat gaggatttga acgcctaatt gtttgtaaat ggttgaggca tgacaaaaat 300
attaatatcc actgtttacc atcatgttat ttgaaacaaa agtgaccatg tatactatct 360
tgcttgaaga agtctttgac agaaaaagca atatcatgtc atttataaat tttcttgttc 420
taaagaaaagc agttatatat atatataaat tatgtaaata aaagttattt tatatcaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaa                                     504
```

<210> 1613

<211> 1650

<212> DNA

<213> Homo sapiens

1006

<400> 1613

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gagtacggca gcccgctcgt catcagcgtc agcaaaggca gccctgacgg cagccacccg 60
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gcggtctctt cgtgcaccca cttgggcgct ggacccccctc tcagcaatgg ccaccggccg 180
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cttgaggaag tgetgagcag cagggactgt caccctgccc tgccgcttcc tcccggcttc 300
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ccgccgtcc attaccaaga gctcatgcca cccggttct gcattgccaga ggagcccaag 420
ccaaagaggg gaagacgac gtggccccgg aaaaggaccg ccaccacac ttgtgattac 480
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tgcgaccgag cattttccag gtcggaccac ctgccttac acatgaagag gcatttttaa 720
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aaacgtctat tttgtatatt tgtaaaactac aaagtaaaat gaacattttg tggagtttgt 1560
attttgcata ctcaaggtga gaattaagtt ttaataaaac ctataatatt ttatctgaaa 1620
aaaaaaaaaa aaagggcggc cgctcgcgac                                     1650

```

<210> 1614

<211> 987

<212> DNA

<213> Homo sapiens

<400> 1614

```

gctcgtgccg aattcggcac gactcggcac gaggtccaag ggggtgtgtg ttcacgggaa 60
tgctgagtac cagcccgggt ctccagttta ttccctcaag tgccaggact gcgtgtgcac 120
ggacaagggt gacaacaaca cctgctcaa cgtcatcgcc tgcacccacg tgccctgcaa 180
cacctcctgc agccctgggt tcgaactcat ggaggcccc ggggagtgtg gtaagaagtg 240
tgaacagacg cactgtatca tcaaacggcc cgacaaccag cacgtcatcc tgaagcccg 300
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cccgggctcc atcacattca tgcccaatgg atgctgcaag acctgcaccc ctcgcaatga 480
gaccaggggt cctgctcca ccgtccccgt caccacggag gtttcgtacg ccggctgcac 540
caagaccgtc ctcatgaatc attgctccgg gtccctgcgg acatttgtca tgtactcggc 600
caaggcccag gccctggacc acagctgctc ctgctgcaaa gaggagaaaa ccagccagcg 660
tgaggtggtc ctgagctgcc ccaatggcgg ctgctgaca cacacctaca cccacatcga 720
gagctgccag tgccaggaca ccgtctgcgg gctccccacc ggcacctccc gccgggcccc 780
gcgtccccct aggcattctg ggagcgggtg agcggggtgg gcacagcccc cttcactgcc 840

```

1007

```

ctcgacagct ttacctcccc cggaccctct gagcctccta agctcgggctt cctctcttca 900
gatattttatt gtctgagtct ttgttcagtc cttgctttcc aataataaac tcagggggac 960
atgcaaaaaa aaaaaaaaaa aaaaaaa 987

```

<210> 1615

<211> 1487

<212> DNA

<213> Homo sapiens

<400> 1615

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gcttgtcatg agaaggtggt aaatatccaa aaagaccccg gtgaatctct cggcatgacc 60
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cccggaggag tcataagcag agatggaaga ataaaaacag gtgacatttt gttgaatgtg 180
gatggggctg aactgacaga ggtcagcccg agtgaggcag tggcattatt gaaaagaaca 240
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tcctgggtca tgtggctgga attaccacgg tgcattgtata actgtaaaga tattgtatta 420
cgaagaaaca cagctggaag tctgggcttc tgcattgtag gaggttatga agaatacaat 480
ggaaacaaac cttttttcat caaatccatt gttgaaggaa caccagcata caatgatgga 540
agaattagat gtggtgatat tcttcttgct gtcaatggta gaagtacatc aggaatgata 600
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cagacatggt catgaggcga tttaaatttg tgctctgccg ctctgcc 1487

```

<210> 1616

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1616

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acacccaata atcagtcatg tgtaatatgc acaagtttgt ttttgttttt gttttttttg 60
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tcccactcca cataaggggt ttagtaagag aagtctgtct gtctgatgat ggataggggg 180
caaatctttt tcccckytct gttaatagtc atcacatttc tatgccaaac aggaacratc 240
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tattcccag agcaacgaag cgttgggata cttcattaaa tgtagcgact gtcaacagcg 420
tgcagggttt ctgtttctgt gttgtggggg caaccgtaca atgggtgtggg agtgacgatg 480
atgtgaatat ttagaatgta ccatattttt tgtaaattat ttatgttttt ctaaacaat 540

```


1008

ttatcgtata ggttgatgaa acgtcatgtg ttttgccaaa gactgtaaat atttatttat 600
gtgttcacat ggtcaaaatt tcaccactga aaccctgcac ttagctagaa cctcattttt 660
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<210> 1617

<211> 3522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3503)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3508)

<223> n equals a,t,g, or c

<400> 1617

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ggactcggac ctggacgggt ggcccaacct caatctggtc tgcgccacca acgccaccta 360
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1009

```

attctacgta aacactgacc gggacgacga ctatgccggc ttcgtctttg gttaccagtc 1320
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<210> 1618

<211> 902

<212> DNA

<213> Homo sapiens

<400> 1618

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tgatacatta agatttcttt ttataagtat tcattttgaa tgtgcatata gttatttgac 120
cccttccaaa tacttgtagc caaacattgg ctagaacatc ccaagatatg ctgacactgt 180
cctgttagct tcatattata cttgctagtt taggtctcta tagaagccct atataattta 240
gaatatgccc actgaatata tttaatagaa agtaacataa agctagtatt caatgtagag 300
tattttcata tgtttttcac agcccgttac aaattggcaa tgttttggtta atgtttgtat 360

```

1010

```

tacttggaaa tcgctacagc ttggactatt tttttctaaa tttttagcat tagtccat 420
ctgctgctaa caattgaatc cagaaatcta ctttctccat cttccactgt tagtgccagt 480
gagcaatact gttgtgcaac aaaaatgtca ctttatctca gtgtgaatga gtagtctaaa 540
ttccctttct accattgatt taaatatata tattggtaag agagactgcc catgtgttta 600
gaatagaatt ttttaaatga aatgatcaac aggtggaatt tgaaatatat tcttctacaa 660
aagagatttc tttccctttt atattttgat gattgttttc ttaagattaa gatatgttct 720
tgctctttta taagattatt taaattatgt ttccctctga ttttttttca ccattgtatt 780
tactaagtta ttggatttac atgaaatctg gcacttttagg gtgttctttt tctcacagag 840
tatatttaat aaaaatgctg tgtatatara aaaaaaaaaa aaaaaaaaaa agggcgggcg 900
ct 902

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<210> 1619

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1108)

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<220>

<221> misc feature

<222> (1109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<400> 1619

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tccatatecc cccaatattg ggtgccctgg aggttccaat cctgcccacc caccacctat 180
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aatgaagaaa gctcataaaa agatgcacaa gcaccaaag caccacaagt accacaagca 480
tggcaagcat tctctctctt cctcctctc ttccagcagt gattctgact gaatacaggc 540
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```

1011

accncnggggg gggcccg

1158

<210> 1620

<211> 2260

<212> DNA

<213> Homo sapiens

<400> 1620

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aaagtgggaa taaaaaagct accaacttaa aacaaatggt gagaattcat caagatctag 180
cctgtaaagc atttgtgctt ggcattgaga aagtgtcgtt aaatgttagc atcattccct 240
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<210> 1621

<211> 1077

<212> DNA

<213> Homo sapiens

1012

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<211> 2377
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

1013

<220>
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 <222> (2376)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2377)
 <223> n equals a,t,g, or c

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 aaaaaaaaaa aaanaaaaaa aaaaaaaaaa aaaaann 2377

1014

<210> 1623
 <211> 1258
 <212> DNA
 <213> Homo sapiens

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 gaaaacaaga gcagaagcac cttcagccac agccttataa aagggaaggt aaatggcata 180
 aatatggtcg cactaatgga agacaaatgg caaatcttga aatagaattg gggcaattac 240
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<210> 1624
 <211> 2469
 <212> DNA
 <213> Homo sapiens

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1015

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<210> 1625

<211> 1281

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1224)

<223> n equals a,t,g, or c

<400> 1625

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1016

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<210> 1626

<211> 1355

<212> DNA

<213> Homo sapiens

<400> 1626

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<210> 1627

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1164)

<223> n equals a,t,g, or c

<220>

1017

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<220>
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<220>
 <221> misc feature
 <222> (1176)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1178)
 <223> n equals a,t,g, or c

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<220>
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 <222> (10)
 <223> n equals a,t,g, or c

1018

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 1628

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```

<210> 1629

<211> 621

<212> DNA

<213> Homo sapiens

<400> 1629

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catgtgaggg tccatggggg gtcaccggcc tgttgctact gcaactccac accattcttg 540
gtgctggggg gtgttaagct ttaccattaa acacaacgtt tctctaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa a                                     621

```

<210> 1630

<211> 1158

1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (888)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (948)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1053)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<400> 1630

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aagggaacttg tagccaccat cctgccctct gccacagctt acctctgatg tttcagaggg 240
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```

<210> 1631

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1631

1020

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```

679

<210> 1632

<211> 4601

<212> DNA

<213> Homo sapiens

<400> 1632

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1021

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<210> 1633

<211> 376

<212> DNA

<213> Homo sapiens

1022

<400> 1633

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<210> 1634

<211> 3643

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (3581)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3599)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3628)

<223> n equals a,t,g, or c

<400> 1634

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1023

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<210> 1635

<211> 4051

<212> DNA

<213> Homo sapiens

1024

<220>
 <221> misc feature
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (32)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2234)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2278)
 <223> n equals a,t,g, or c

<400> 1635
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1025

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<210> 1636

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1210)

<223> n equals a,t,g, or c

<400> 1636

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ttgaaaaacg ggtcgactgg cccgtccgcc cggagccagc gggtctccaa gcacccagca 60

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1026

```

tcttgctaga cgcgcgcgcg accgacggag gggacatggg cagagcaatg gtggccaggc 120
tcgggctggg gctgctgctg ctggcactgc tctacccac gcagatttat tccagtga aa 180
caacaactgg aacttcaagt aactcctccc agagtacttc caactctggg ttggcccaa 240
atccaactaa tgccaccacc aaggyggctg gtggtgccct gcagtcaaca gccagtctct 300
tcgtggtctc actctctctt ctgcatctct actcttaaga gactcaggcc aagaaacgtc 360
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```

<210> 1637

<211> 2124

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<400> 1637

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acaagctggg ctgagcagcg cttccagagc cagaactgag cccagtgaga gcgcaccctg 180
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gcccagcggc tgacactggc caaggtggcc agggagcagg tgatggacac cttagttcgg 360
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atcccgtctc tgcttcgaga actcaatcga tttgatggct ctgggccccta cagcaccctg 480
agcagccccc agctggggcg cagcacctac atggagacgt atgtgtactt ctatcgggtc 540
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actgttctgt tgctgctatc actcctgtcc cctcagctgt gccctgctgc ctgagcgctc 1140

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1027

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ccctaccccc ccagggcctg ctgccttttg ggacttaaac cccagcctcc cccgtccatc 1200
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agcagatatg ccaatggggc atgtttattg tggattggta agaatacca ggaaaccatt 1560
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cagcaaacac cgggaaacat tttggctcat tataatccgg tgaacaatgc agtcaggcct 1680
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aatcacattt atggtttggg accatcacc caaggtaaaa aaaaaataaa aggtattccc 2040
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aaaaaaaaaa agtcgtatcg atgt 2124

```

<210> 1638

<211> 1435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1426)

<223> n equals a,t,g, or c

<400> 1638

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gagtagtttt tgtattttta gtagagatgg ggtttcacca tgctggccag gctggtcttg 120
aactcctgac ctgaggtgat ctgtgtgccc cagcctccca aagcgtggg attacagggtg 180
tgagccactg agcccagcca tttaggaagt attataaagg cccttaaagt ttgtaaggaa 240
atgaaagggc tttgtattac cttttcaata ggcaacaatg tactttttct ttccttagac 300
tttggcttac tggaagattt aattaaaagg tagaggagaa gtaaatttgc tgtaataatt 360
ttgctgtaaa taaaacaaag agtttatttt attagataaa gaatgtgaag taagcatgaa 420
gagacaggct ttgggagaaa taccagaaag ggatttttca aagatggcat tgtttaatct 480
ccgtgtggcc ctcggttgtg caatcacaga tgagccagaa gagggccagc cccctacttg 540
tttgggctcc gaaactctta ccaaactca atttttattc ttgggataga aaaatagtat 600
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tttaggggtg caattctgtg ctgctttgca aattgttgaa acttttgatt ttctgtttgg 900
caatgctagt cagtgttcac ttcttacaga ttagccaaga atttttatct aaatgcagaa 960
acttattaat gaaatccatt taaactaaca caacattttg ggaggccctg ctggtaaaaa 1020

```

1028

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tatatatgga tgcagaagta ttgcaagagt ccattttcca tttttaaatc tgcaatatct 1080
gattacattg atgaattccg ttgtattgta tgtgtgaata taaatatctg aattctcccg 1140
ggggacttgg ttttcgtcca aggatgttgg cagtggacac ttagtttacc tcaggaattg 1200
caatcatgta agactatatt cggaaaaaat gctggagtat ataattttgg atactgatat 1260
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gcattattct gtaatttggt tgtactgctg caacttttta tactttcaat gtatcattta 1380
ataaaaaaaaa taagcaagtc aaaaaaaaaa aaaaaaaang ggggggccgt tttaa 1435

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<210> 1639

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1084)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1613)

<223> n equals a,t,g, or c

<400> 1639

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agtcgctcct tagtgaatat tgttaaaatg ttccgtttca ctcacgtgga tcacatcaat 180
ttcatgaagc agattggaga gatagctcct cagcgaattc cttccctggg agttcaagggt 240
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1029

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gtaagtttgg cgataaaaata gtgtgttgag gagacttaat tgtatccaag gcagggttaga 1500
gctagtgtat gttactgtga attgtaatgt agttggattg tacaattac tgcaaataa 1560
tacatgttac tcttagtaaa taataaacat cttaatatgt cctacggtca annaaaaaaa 1620
aaaaaaaaa a 1631

```

<210> 1640

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1640

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gaataaaccc aacctacaga gcatcatagc ttagcctagc ctgctttaa tgtgctcaga 60
aaacttccat tagcctgcaa ttaggcaaaa tcatcaaaca taaaaccatc aaacataaaa 120
tatttataaa gtgttgaaata tctcatatag tttattgaat acctgcatcc aaaagatgct 180
ggcaacacag cacacttttag agcattgggtt gtttactctc ttgatgggat ggctgcccag 240
catcaagagt tatcatactg caaatcgata gcccaggaaa agagcaaaat tcaaagttca 300
aagtagagtt tttactgaat gcttgctttt gcaccgtcgt aaagttgaaa agaattttaa 360
ttgaaccatc ataagctgca gactgtgcat tttatataga aaagttaata tttttaattt 420
ttaatgcaga gaagtaccca aagcataaga acacaacaca ttttcacaaa gcaaacacag 480
ccatggaacc agcacccata tcaactaaca aaatactagt ttgggctttt ttgtacttta 540
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tttgtgggtt catctctgct gtgtgtagtt ctttctggtt ctttatacag tgttccaaaag 660
tatagtatat tacagtttac ccattctact cttgatagta aatgttttca catttgggct 720
attacaaata gtgctgcagt gaacattcac atacacatct tttgggtgaac atgtgttaca 780
tttccaagta caattgctgg gtgatgagta tgcatactct taaaacatgg ttgtaccaat 840
ttacacctct acg 853

```

<210> 1641

<211> 688

<212> DNA

<213> Homo sapiens

<400> 1641

```

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tctccatact grgctccctg gatcctgggg caggggtgac acaagagccc atatggccac 180
caccactggg actgcactgg atcagaccta aagccagggc aacactgggt cttgcctaag 240
gccacagtg accactgcct ggctattgct gatgttcacc caaggcccag gggctkttca 300
gtcagcagtt ggtgaacca gccagacca tgccttccc ttcaaggcaa taagcttttc 360
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gagctagggc ctggatgagt gcatcagggc tctgcctggc accctatcct actgtggctg 480
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aaagaaggaa tctctcccaa agctgcgagc tgtactgctt ggggttgggg gaggggtggc 600
acaagcactc ccttagccac cctggctggg gtctcactaa tttgtgtgca cccaagtcc 660
actggctcca agggcagcgc agcaccat 688

```

<210> 1642

<211> 1916

<212> DNA

1030

<213> Homo sapiens

<400> 1642

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gcgccgccgt cgtgcgtgcc gctcggcgga ggggacgggc ctgcgttctc tctccttcc 60
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gcccaggccg agcacgatgc cccctaaaaa gggagggtgat ggaattaaac ccccccaat 180
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atgaaatgca ggttcaacta atgtgaacag ctttgctttt cacgtgatta agaccctact 1560
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gcccgggtacc aggtaaagtgt acccaattcg ccctatagtg agtcgtatta caattcactc 1860
gatcgccctt cccaacagtt gcgcaacctg aatggcgaat ggagatccaa ttttta 1916
```

<210> 1643

<211> 1344

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1343)

<223> n equals a,t,g, or c

1031

<400> 1643

```

ggcagagcac atgcgcaccg cagcgggtcg cgcgcctaa ggagtggcac tttttaaag 60
tgcagccgga gaccagccta cagccgcctg catctgtatc cagcgccagg tcccgccagt 120
cccagctgcg cgcgcccccc agtcccgcac ccgttcggcc caggctaagt tagccctcac 180
catgccggtc aaaggaggca ccaagtgcac caaataacctg ctgttcggat ttaacttcac 240
cttctggctt gccgggattg ctgtccttgc cattggacta tggctccgat tcgactctca 300
gaccaagagc atcttcgagc aagaaactaa taataataat tccagcttct acacaggagt 360
ctatatcttg atcggagccg gcgcctcat gatgctgggtg ggcttccttg gctgctgcgg 420
ggctgtgcag gagtcccagt gcatgctggg actgttcttc ggcttcctct tggatgatt 480
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gcggccgccc cagaggancc ccng 1344

```

<210> 1644

<211> 1109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1075)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1077)

<223> n equals a,t,g, or c

<400> 1644

```

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gaagcaaat catgatgtgt gtgctggaga tctggcactc atggccagtg ttttccagta 120
tcttgaactc ttcgggggtc ctgttgaccc atttcgtgac ctacctccgt gactgctctt 180
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ctggaggttc cactgttgct tcagtctcag ttacttagaa tggaacccag agtcctgccc 420
ctttccacct acatgctctt acttgaaagc acctgagact tattgggtcc ctgattcctg 480
cttcgtctgt atccgcagag tagttgcatg tcatttggcc tgttttctaa ataatccac 540
atcatgtcct cctgcactt acattgccac tgctctgatt tgggcttttt tttttttggg 600

```


1032

```

acaatgcctc tgtcccaatt ctgagtaaca gctctggttc ttgccactac cagagttctc 660
tagcaaattc gagcatctga caggggtgaaa aattctgaat ggcttcctga tgcctgactt 720
tatgggatca aattcaagtt gcacgctgca ctgagtgcc tcttggtatc atctgccaag 780
accagggcct gcttcaccac agccacaata aagtcctttc aagccctgaw aatgccatgt 840
tttgtcctaa ccttttctg cagttaatta ctcttccat tatcttccat gaacttaaga 900
ctgggcaaaa atgtttcctt atctgtgagc cactctgaac acaaacaggt catgaagata 960
gtgttgaaaa caataaatga caaccaaag gaaaagtgg atattaccta gttacaaata 1020
gtgtaaattg agacmgaaat gttaaagcta gaaagcaagg ggcaatattt ctagnantac 1080
aaattagtgg cttggcctac tacaatatt 1109

```

<210> 1645

<211> 2173

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 1645

```

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ttcatattaa gaaacctgct aatatttttag ttatgggtga aggtccctgag cgaggaagag 120
taaaaattgc tgacatgggc tttgccgatt atttaattca cctttgaagc ctttagcaga 180
tttggaacca gtggttggtta cattctggta ccgagccctt gaactacttc ttggagcaag 240
gcattatacc aaagctattg atatttgggc tatagggtgt atatttgcag aactactaac 300
gtcagaacca wtatttctact gtcgacaaga ggacatcaaa actagtaatc cttatcacca 360
tgaccagctg gacagaatat tcaatgtaat gggatttcc tgcagataaa attgggaaga 420
tataaaaaag atgcctgaac attcaacatt aatgaaagat ttcagaagaa atacgtatac 480
caactgcagc cttatcaagt atatggaaaa acataaagtt aaaccagata gtaaagcatt 540
ccacttgctt cagaagctgc ttaccatgga cccaataaag cgaattacct cagaacaggc 600
tatgcaggac ccctatttct tagaagaccc acttcctaca tcagacgttt ttgccggttg 660
tcaaattccct taccctaaac gagaattttt aacggaagaa gaacctgatg acaaaggaga 720
caaaaagaac cagcagcagc agcagggcaa taaccacact aatggaactg gccacccagg 780
gratcaagac agcagtcaca cacagggacc cccgttgaag aaagtgcagag ttgttcctcc 840
taccactacc tcaggtggac ttatcatgac ctgagactat cagcgttcca atccacatgc 900
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ctggtattaa agctgctatt tgatagtaat taaatatgtt gtcattgata taaacctgtt 1740
tggttcagca aacaaactaa aatgattgtc atagacagtg ttttattttt cctgttgggtg 1800

```

1033

```

ttgctgattt gtgagcatgc ttttaagatga aaaaagcatg aatgataact tccttaaaaa 1860
ggtgcggcat ccaattcaaa ttttttcgtc ctgattttta agctgggttg tgtagtgcta 1920
ttaaaatttc gttcagttaa ttttcctttt gaaaacttgt tcgcacgttg tttaggggtgc 1980
ccttacttca gcaaaggaga aggagtagga gaggccttaga atttttgagg aaaaaaaaac 2040
ctataacata caatgtactg tatcaaacta ttttacatga atgacacaag tattctgaat 2100
aaaaaataat tgaacattgt taaaaacaag gtgttatgta ataaatttat ttttcataaa 2160
tcaaaaaaan aaa 2173

```

<210> 1646

<211> 1394

<212> DNA

<213> Homo sapiens

<400> 1646

```

ggcggcgctct tccgggggctt ggcggggccgg ggaccgaggg ggcgggggagg tgaccgggcg 60
ggggcgggagc cagcggggcgg gcgcgggcgcg ggagggcgacc atgcgcggcg cgggggcat 120
cctgcggccg gcggcgcgctg gtgcccggga cctgaaccgc cggcgggaca tctcctcctg 180
gctggcccag tggttcccta gaacccagc cagggtccgtg gtggccctga agaccccat 240
caagggtggag ctgggtggcag ggaaaacctt cagggtggtgt gtgtgtggcc gcagcaagaa 300
gcagcccttc tgtgacggct cccacttctt ccaacgcact ggcctatctc cactcaagtt 360
caaggcccaa gagaccgcga tgggtggcact ctgtacctgc aaggccactc agaggccccc 420
gtactgcgat ggcaccaca ggagtgagcg cgtgcagaag gcagaagtgg gctccccact 480
ctgagggggc tgcctgctgtc cagccacagg tggccttggc tccaggccctc tgacaggcac 540
ccccttctgt gggaaaggaa acagggtgctg agcccaagag actctggtac cactgctgg 600
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tgaccagggt accgggcctc agactcggac gccccgctgg tgttggtgcc tcggaggggt 1320
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cgttcgcgcg cagg 1394

```

<210> 1647

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 1647

```

tacaggccng gtccattaac cagccaggga atgaacmtca gcagacagty tcccmcttg 60

```

1034

```

aatttattgc cctctagtgc gcacttcagg ccttccacct acaaaaaaatc ttcaggcccc 120
ctcaaagcta mcaaactcat catccactgg aactggttggg aagacagctt gagtgggaatt 180
gcaatgaatg tacctgccag cagaggtagc aaccttaact caagcggagc taataggact 240
agtctgtctg ggggaacagg aagtggaaca cagggtgcta ccaaaccatt gtctactcca 300
catagaccat ccactgcctc agggctcttca gtggtaacag ccagtgtgca gaagctcatt 360
cacacagaag acccatttaa tgatgaacat caggagaggc aagagggtgga aatggttggt 420
aagaagtttg aaatgaaata ttatgatgaa ttagttcccc cttctctaac aacaaaatat 480
ggaggctttt atatcaacac tggcactcta cagtttcgcc aagcttcaga tactgaagaa 540
gatgatatta cagacaacca aaagcacaag ccaccaagg tccccaaat aaaagaagat 600
gatattgaga tgaagaagcg gaagcggaaa gaggaagggg aaaaggagaa gaagccaagg 660
aaaaaagttc ccaaacaact gggagtgtgt gctctaaatt cacacaagtc tgaaaaaaaa 720
aaaaa                                           725

```

<210> 1648

<211> 1593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (697)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1032)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1078)

<223> n equals a,t,g, or c

<400> 1648

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ggctggatcg cgttgtcccc cctggcgcgc ccgcagcgcc tgccgggtggc cactcgcgcg 60
gtgctcatca ccgggctgtg actctggttt tggcaaggag acggccaaga aactggactc 120
catgggcttc acggtgctgg ccaccgtatt ggagttgaac agccccgggtg ccacagagct 180
gcgtacctgc tgctccccct gcctaaggct gctgcagatg gacctgacca aaccaggaga 240
cattagccgc gtgctagagt tcaccaaggc ccacaccacc agcaccggcc tgtggggcct 300
cgtcaacaac gcaggccaca atgaagtagt tgctgatgcg gagctgtctc cagtggccac 360
tttccgtagc tgcattggagg tgaatttctt tggcgcgctc gagctgacca agggcctcct 420
gcccctgctg cgcagctcaa ggggccgcct cgtgactgtg gggagcccag cggggggacat 480
gccatatccg tgcttggggg cctatggaac ctccaaagcg gccgtggcgc tactcatgga 540
cacattcagc tgtgaactcc ttccctgggg ggtcaaggtc agcatcatcc agcctggctg 600
cttcaagaca gagtcagtga gaaacgtggg tcagtgggaa aagcgcaagc aattgctgct 660
ggccaacctg cctcaagagc tgctgcaggc ctacgnaag gactacatcg agcacttgca 720
tgggcagttc ctgcactcgc tacgcctggc catgtccgac ctcaccccg ttgtagatgc 780
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gccttcttca tcagtcactg tctgcctcga gcactgcage ctggccagcc tggcactacc 960
ccaccacagg acgcagccca ggacccaaac ctgagccccg gcccttcccc agcagtggtt 1020

```

1035

```

cgggtgagcat gntgcaccta tggcccagcc actgcagcac aggaggctcc gtgagccntt 1080
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aagccacagg gaagcatgta ctgtacttcc caattgccac attttaaata aagacaaatt 1560
tttattttctt ctaaaaaaaaa aaaaaaaaaa aag                                     1593

```

<210> 1649

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (228)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 1649

```

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gactgtatca actctccagc aagtgttcan aactgggctg aggctgagat gtctggaatg 120
atacaagcag ggttcaggat atgcgtagga acaaagttca ctgagtgaat gaagtatgtt 180
gtcatgcaat acaagtgcag taaaaatcat tgtaaaacat tgcagganct aacagacaaa 240
atancaagta taaagaagac ataaccgacc tratagagct gaaaagcaca ctasaagaat 300
tttcataatg cartcacatg gtgattatgt gtgactggat tatgaaaatt attgtagtgt 360
gtgtggggcac ccgagattgc cctgtaagca ggacgcctgc acattacctc tccatactgc 420
agccctttat atggaaaactt cctacatcac tttgctgtgt gtgttttacac atgtnggggt 480
ttgctgtact tgccctgaca gcacaccggg agtgcaggcc acaccccaac ccacaccaac 540

```

1036

tgccacttga aanacaaaac cttgggtggg gc

572

<210> 1650

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 1650

```
gcactagcgc tatcacattc tctccgggat ttccccccct gctctgtggc ttcttgttga 60
gaggttgttt ggttatgggt tagcngttga aaagattcag gttatccttt taaatgactt 120
tacgttttag tggagctggg agattacttg cctggcttct aatcttcatg ttgggttcatt 180
ttatttccat atgtgtgtgg gttatttgtt cagtaattag aattagataa agtattctgc 240
ttttaagtag ttttgagaag gcctaaaaat actaaagtgt attcataaat atttttatta 300
tgntcaagta gaagacacac ctttgccatg taaattttta cttttcttca agncttcagt 360
gaatctacag acctatcttc tcangagctc aacctggcct tactt 405
```

<210> 1651

<211> 995

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (919)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (987)

<223> n equals a,t,g, or c

1037

<400> 1651

```

gcaaaaccaa caaaacaacc aaatacaggt ctcaagcgat ttacagctcg gtgcttaact 60
cggtcaccgg ccgaggggca gccctctggc gccaaagccc cgctctctta tgacgtcaca 120
cgaggagccc tgaagtggcg gtcaagcttg aggcgtcatc tggctgctgt aagtgggccc 180
ttgccttaca gttgctgaga ggaggcgaga ggcgggggcg ctagggccga gatcatgtct 240
gactgggaga ggtttccttg gcagcagagg acgctagggt tgggatgaaa gaagctgggc 300
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ggatgtctcc tgcccgcctt ctgctgtctc cctccgctgt cgccaggacc aatcggctcg 540
gtcgcactgg cttttgaagt ctgctttttt acccctgtta gctacttctc acaggaccta 600
gagctggggc ctctgagggt aaagagcctg aacatttcca aacggcgctt ttgccttgat 660
ttccaaatta accgcacgtg acgctttcct gtatttcgac tgctttaccg tcgaaggcca 720
gataccaagg ctttctaaag tcaacctttt cactctgctc agcctctgga tggagctctt 780
tccagcagaa gccagcggc aaaaatctca gaaaaatgaa gagggaaagc atggaccctt 840
aggagataat gaagagagga ccagagtatc tactgacaaa agacagaaaa ccatgttctg 900
cttgtttgaa aatgattgna aatgcaaacg cttaacagta atgatacagat ctatgtctag 960
gtcagtgctt tgagctataa atggcanaac ttcta 995

```

<210> 1652

<211> 636

<212> DNA

<213> Homo sapiens

<400> 1652

```

gcgagcgcgt gggaaataat tgcattaaaa tacaaaaggt gatagggaag aattaaaaga 60
tttgagctat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggt 120
ttatatgatc ttcaattgag tattaataaa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttagcaacag attctcagag taaattgtta 300
acttctatga tttatgataa tcaagctgga cttgatcata caagttagtc tcataatgta 360
ttggaccaa atgtaaactt cattgggtcag atttagaagc attcatgctc acaagttttg 420
ggaaagtga aaataataaa atcatcttgg attttattct gtatatataa atttatcttt 480
taaggaaaca atctgtatac tacttgcttg tatagccttt tgacccttct tgagtttttc 540
agaagccttt aattttttata ctttcaatac catatttaca ttatatactt taattaacaa 600
tgtgagtttc tctgtgaaaa aaaaaaaaaa aaaaaa 636

```

<210> 1653

<211> 1255

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1251)

<223> n equals a,t,g, or c

<400> 1653

```

ggcagagcag gaggagcacg ggaaaagaaa gaagaaaggc aaggggctag ggaagaagag 60
ggacccatgt cttcggaaat acaaggactt ctgcatccat ggagaatgca aatatgtgaa 120
ggagctccgg gctccctcct gcatctgcca cccgggttac catggagaga ggtgtcatgg 180

```

1038

```

gctgagcctc ccagtggaaa atcgcttata tacctatgac cacacaacca tcctggccgt 240
ggtggctgtg gtgctggatt tgatgagtta actgtgaaat accacaagcc tgagaactga 300
atTTTgggac ttctaccag atggaaaaat aacaactatt ttgttggtg ttgtttgtaa 360
atgcctctta aattatata ttattttatt ctatgtatgt taatttattt agtttttaac 420
aatctaacaa taatatttca agtgcctaga ctgttacttt ggcaatttcc tggccctcca 480
ctcctcatcc ccacaatctg gcttagtgcc acccaccttt gccacaaagc taggatgggt 540
ctgtgaccca tctgtagtaa ttatttgtct gtctacattt ctgcagatct tccgtgggtca 600
gagtgccact gcgggagctc tgtatgggtca ggatgtaggg gtttaacttg ttagagccac 660
tctatgagtt ggacttcagt cttgcctagg cgatTTTgtc taccatttgt gttttgaaag 720
cccaagggtg tgatgtcaaa gtgtaacaga tatcagtgct tccccgtgtc ctctccctgc 780
caagtctcag aagagggttg gcttccatgc ctgtagcttt cctgggtccct ccccccatg 840
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tgccattctt ctgggtgtac tccatgcagg ggtcagtgca gcagaggaca gtctggagaa 960
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taactgatta cctgccaaat gctaccgaga aggttggagg tggggaaggc tttgtataat 1080
cccacccacc tcacaaaaac gatgaagkta tgctgtcatg gtcccttctg gaagtttctg 1140
gtgccatttc tgaactgtta caacttgtat ttccaaacct ggttcatatt tatactttgc 1200
aatccaaata aagataaccc ttattccata aaaaaaaaaa aaaaaaaaaa ntctc 1255

```

<210> 1654

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<400> 1654

```

ggaatctcct actatagtga aagctgggtac ncctgcagg accgggtccgg aattccccgg 60

```

1039

```

tcgacccacg cgtccgcccc cgcgtccggg actccttgaa ccctggactt caaagggggg 120
agagattgct gcagccccgc attataaaca cttgggttta gaagccacag aataccattt 180
cctgcatatt ctattggnca aagcaggtgg agaaccagct ctgaccaaga gggtagggga 240
tcaaaccctt acctcttgat gggagaggca tcacacacac acacatgcac acatacatat 300
rcatatatac attaatgact tggcatttat agtgcttgat aaattagagt tctattaata 360
gaatgtttgg actagggcta caggataaac tgttgccctc acttaagaga atcaggaaat 420
ggactttggg agtcctgctt ggcattantt tgtggcangg ttgcagatgc nctgtattta 480
cacttaagaa gtcttcgaac atttcctctt ttgacatt 518

```

<210> 1655

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1655

```

gcttgaact ccagaatgtt cccaccatgg gtggccaagc cacatcacag ggaagaaacc 60
ttcaatgtgc tttctgtgca gcacactcct ctcttctgtg atctgaacac gaaccaccac 120
ctctaggcta ggactcagat gcagtgaact ccactatacc cacagtcaca tacggacagt 180
aacttctctt cccgaatcct gtctggatcc aagtgtccct gggccagagt ctccctaaga 240
gacagccctg agtccaagcc cctgagaagc tcagggccat gcaaagcagg aggcctgggt 300
gtggaagggg tatgggtagg gcctgagaat ggactgaggg gcagacagtt caggggaaggg 360
aagatcactg gggtagagag gtgacctgra gggaggtcag cgtgggcagg ggtgagacca 420
aggaagagat tgaagaacag aaggcattgg ccttacagct tcaaaaccag agattgcagg 480
agcgggaaca ttcagtacat gattcagtag aactacatct tcgtgtacct cttgaaaagg 540
agattcctgt tactgttgtc caagaaacac aaaaaaaagg tcataaatta actgatagt 600
aagatgaatt tcctgaaatt acagaggaaa tggagaaaga aataaagaat gtatttcgta 660
atgggaatca ggatgaagtt ctacgtgaag catttcgcct gaccattaca cgcaaagata 720
ttcaaactct aaaccatctg aattggctca atgatgagat catcaatttc tacatgaata 780
tgctgatggg agc 793

```

<210> 1656

<211> 1062

<212> DNA

<213> Homo sapiens

<400> 1656

```

gggcacgagt ttctgtcctc ctctcctggct cctccttctt cccaccctt ctaataggct 60
cataagtggg ctcaggcctc tctgcggggc tcaactctgc cttcaccatg gctttcattg 120
ccaagtccct ctatgacctc agtgccatca gcctggatgg ggagaaggta gatttcaata 180
cgttccgggg cagggccgtg ctgattgaga atgtggtctt gctctgagge acaaccaccc 240
gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcttg gtggtccttg 300
gcttcccttg caaccaattt ggacatcagg agaactgtca gaatgaggag atcctgaaca 360
gtctcaagta tgtccgtcct gggggtggat accagcccac cttcaccctt gtccaaaaat 420
gtgaggtgaa tgggcagaac gagcatcctg tcttcgccta cctgaaggac aagctccctt 480
acccttatga tgacctattt tccctcatga ccgatcccaa gctcatcatt tggagccctg 540
tgcgccgctc agatgtggcc tggaactttg agaagtctct catagggcgg gagggagagc 600
ccttccgacg ctacagccgc accttcccaa ccatcaacat tgagcctgac atcaagcgcc 660
tccttaaagt tgccatatag atgtgaactg ctcaacacac agatctccta ctccatccag 720
tcctgaggag ccttaggatg cagcatgcct tcaggagaca ctgctggacc tcagcattcc 780
cttgatatca gtcccttca ctgcagagcc ttgcctttcc cctctgcctg tttccttttc 840
ctctcccaac cctctgggtg gtgattcaac ttgggctcca agacttgggt aagctctggg 900

```


1040

```
ccttcacaga atgatggcac cttcctaaac cctcatgggt ggtgtctgag aggcgtgaag 960
ggcctggagc cactctgcta gaagagacca ataaagggca ggtgtggaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1062
```

<210> 1657

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 1657

```
ggcttcgtaa gatttaacat atcagaactg gggaaagaga aaggaggggg ttatTTTTTT 60
gcagcatttt ccagtcacat atcagggtta tactgaactg caacaaagat caactTTTaa 120
aaattagcct tcttaaaata caaaatgatt taagtatttt aaagataatt tatttgccct 180
gctcttgcc tctaacatta gccatttcat ggagaggcta aaacttatac tccaaaaaat 240
gtggaagcac attttaatgg gagtaaaatt aaaaaatttt gagaaagggt aaaatcctat 300
gaatatgcat cttcttagct ttatcttccc ttgatagggt aggcacttat gctcttccat 360
ctgctccatg tcaaatagggt ctcagggaag ccagtcattt ccttagcgag atgattactc 420
ctttgccttg aaacatttat tggggcccac catgtatgga tcagtgtgtg gtartgartc 480
atactcccaa atcartgatt cccaartctt ggctttgggr accmgtatgc cttgtattct 540
cttaaaaagc aacaataatt tcttgaaaca aaattagttc aanaattgga attaaaaaat 600
atttccagtt gt 612
```

<210> 1658

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

<400> 1658

```
catcttaggt gacactatag aaggtagcc tgcaggtagc ggtccggaat tccccgggtcg 60
acccacgcgt ccgnccacgg tccggctttc agcaattgat ggtgctttgt tgtgggtgtct 120
gctggaagtc tactgccatt atagggaacc ttgcttgcta gcttctctag atctctattc 180
taaacaaatct gttagtgatg ataaattctg taggaggggtc tattctgagc cgtaaacttc 240
ctgtaagggg aaaatgggtg ggttaccaga aataccattg aagcagggtg ggctgtgggg 300
tggaagggtg gggtatattgt cttgagaatt aaaaactacg aaacactttt gtacacaaact 360
gattttttta aaaaataaaca cattttttaa gatgttgaat ttttcccccc ttattgggaa 420
ttcttaaaaa taaatgcatg catgttttcc cctgaaaaaa aaaaaaaaaa aaaaaaaaaa 480
```

1041

aaaaangaaa aaaaaaaaaa aaaaaaaaaa aagggggggcc g

521

<210> 1659

<211> 887

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 1659

```
ctcaaaaaaa aaaaaaaaaa ttaaaaactt ccttttantic gcagagctgg aaaagttgga 60
gttggtttttg gtatacttgg agagctggct ttctaaagtg ctgctttgag gactgtttgtg 120
taaagcactt gattcgtctt ccctttgctg gagttatggg cctgggcttt tacactgggg 180
ttctgaagta acaaacaaag tcagtcacaga aatagttgct cagcaatctc attgttacag 240
tgctgcacaaa tgagctcata ttagctttat tttctgctac caatagagtg ttcctaagta 300
tttaaagtgt gtgactcctt tcttatagag ccagcaagct gtattggaat cacttttcca 360
gtgtttgtaaa tgttatTTTT gtgggtcagt cagtatactc gtgaatgaca gaaaaacaga 420
tcccaacaat gcaaggtatt atatgtgtaa aaaagaacag aaaaaagaag ctgccttggt 480
agtaacgggc tctatgggtt ttctcatcaa gaggtcatga cgccagtcag atcacactag 540
ccttgggscac agctgcctcc taccacaggg cctgccaggg tctcgggggcc atgctgtcca 600
aaggagccct gaaccctgct gacatcaccc tctgttcaa gatgttcaca agcatggacc 660
ctcctccggg tgaacttgaa gttgcttctc aagaatcccc aatgtcagct ggtaagggtga 720
ctttggaaaag tctgtgcttg tctgattgtc tgaaggctgt gaatgcaaat ccatcattgt 780
cctggtcctt cctcagtcac actctctgcc tggagcctgt tggggccctg ctgtgtaggg 840
ataccctgag gggaggtggg tgagcagtg cctcacgcct gccatcc 887
```

<210> 1660

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1660

```
gattgtgtct ccagccccctc aggctgaaga cactgccttc cccctacacc tccccagggg 60
tgccgggttac cagcactggg aggccaggcc atgctcacgc ttcatggagg acacagcagc 120
agagaagctc acaagggttg aaactccatc ctggcattcc gggagaagga atggcagagg 180
ctgcagtcac acccccacct gaaagagggg tccgtgacct ccgtgaacct gactaagcta 240
gaggggtggcg tggcctataa cgtgatacct gccaccatga gcgccagytt tgacttccgt 300
gtggcaccgg atgtggactt caaggctttt gaggagcagc tgcagagctg gtgccaggca 360
gctggcgagg gggtcaccct agagtttgct cagaagtggg tgcaccccca agtgacacct 420
actgatgact caaacccttg gtgggcagct tttagccggg tctgcaagga tatgaacctc 480
actctggagc ctgagatcat gcctgctgcc actgacaacc gctatatccg cgcggtgggg 540
gtcccagctc taggcttctc acccatgaac cgcacacctg tgctgctgca cgaccacgat 600
gaacggctgc atgaggctgt gttcctccgt ggggtggaca tatatacacg cctgctgcct 660
gcccttgcca gtgtgcctgc cctgcccagt gacagctgag ccctggaact cctaaacctt 720
tgcccttggg gcttccatcc caaccagtgc caaggacctc ctcttcccc ttccaaaataa 780
taaagtctat ggacagggct gtctctgaag tactaacaca aggaaaaaaa aaaaaaaaaa 840
aaaaaaa 847
```

1042

<210> 1661
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 1661
 tttctcttcc ccaggtgcct caccttccct tcatgggctt tctgcccgcc tttgggtacc 60
 cctagcgggc ccgaggetca ccttggtttg gagccaggga tgctagtgtc cccggggccc 120
 agcgcagcgc tgatgggaag ggacttttgt ccgtggggaa cccaggaccc acttctcyga 180
 ggtgascctt ttttttttct gccgcagtgc ctcacctctc ctccctcaaa gtcaccttc 240
 ccctcatgag ccctctgtcc gcctagaggt accgctagcg gcccgaggca caccctgtgg 300
 ctgaaccagg gactccaggg tccctgcggc ccagcacagg cgctgatggg aagacacgtt 360
 cgttcgtgga ggacccaggc cccgtttctc agtggcgtgg ttttttttct ctgcccgggt 420
 gcctcacctt cctctaattg gccttttgcc cgctttgggg tacccttagc gggccctatt 480
 cgcacctgc gctcgaacca gggtcgca 508

<210> 1662
 <211> 544
 <212> DNA
 <213> Homo sapiens

<400> 1662
 gcccagcata gagaggatgg ctgcccaccc tcagctcccc tccttgcttc ctcgagtgtt 60
 ctgactccgc actagccgcg cctgttagga agaatagggt gtccacctct ccycgggtgt 120
 cgcctagtca ctccagttga agacgggacg cgtgcccgat ctcaagagag cccccgaccc 180
 gtccgtgggg aaccacatcg acgcttcttc tcagcctcca gtctccagtt ccaaggatgg 240
 gtcactctca accmcttgcc ctgcctcagt ttctccatct ccttgctgca gcccgcaggga 300
 actgggcacc ctcgagccgt gcatggcccc cgtgcgctcc gaggtcccgg ccgggtcgcg 360
 ccgcagtctt cctcaagtat gcgcggcccc agcgcagggg gaccagcctt gccgccgcct 420
 tgcttgcgc cgctccagct ctgagcctcc ctgagtactg ggactcagtc aaaaaaaaaat 480
 caacaacaaa aaacaaaacc ctcccagtggt gtgtccgtct ctcatctcaa taaaagaatt 540
 tatt 544

<210> 1663
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 1663
 ggtcggacat gcaaaaagga gttaacaagg aaagatacta tcatggcaca tgtgactgaa 60
 tttcataatg gacacagata tttttatgag atggatgagg tagaagggtga aactttgcca 120
 tcatcctcta caacattgga taatttgact gctaacaagc cttcatcagc tattactgtt 180
 attgatcatt ccccggaaca tagttctccg aggggtaaat ggcaatgccg gatttgtgaa 240
 gatatgtttg attcccagga atatgtaaaa cagcactgca tgtctttggc aagccacaag 300
 tttcatagat acagctgtgc tcaactgcaga aagccttttc ataagataga aacattgtac 360
 cgacattgcc aagatgagca tgacaatgag ataaagatta aatacttctg tgggctttgt 420
 gatcttatct ttaatgtgga agaa 444

<210> 1664
 <211> 1279
 <212> DNA

1043

<213> Homo sapiens

<220>

<221> misc feature

<222> (1273)

<223> n equals a,t,g, or c

<400> 1664

```

tcccgggtcg acccacgcgt ccgcggacgc gtgggatcaa caaactcatc cgaattggca 60
ggaatgagtg tgtggttgtc attaggggtg acaaagaaaa aggatatatt gatttgtcaa 120
aaagaagagt ttctccagag gaagcaatca aatgtgaaga caaattcaca aaatccaaaa 180
ctgtttatag cattcttcgt catgttgctg aggtgttaga atacaccaag gatgagcagc 240
tggaagcct attccagagg actgcctggg tctttgatga caagtacaag agacctggat 300
atggtgccta tgatgcattt aagcatgcag tctcagaccc atctattttg gatagtttag 360
atttgaatga agatgaacgg gaagtactca ttaataatat taataggcgc ttgacccac 420
aggctgtcaa aattcgagca gatattgaag tggcttggtt tggttatgaa ggcattgatg 480
ctgtaaaaga agccctaaga gcaggtttga attgttctac agaaaacatg cccattaaga 540
ttaatctaata agctcctcct cggatatgtaa tgactacgac aaccctggag agaacagaag 600
gcctttctgt cctcagtcaa gctatggctg ttatcaaaga gaagattgag gaaaagaggg 660
gtgtgttcaa tgttcaaata gagcccaaag tggtcacaga tacagatgag actgaacttg 720
cgaggcagat ggagaggcct gaaagagaaa atgccgaagt ggatggagat gatgatgcag 780
aagaaatgga agccaaagct gaagattaac tttgtgggaa acagagtcca atttaaggaa 840
cacagagcag cgcttccttg ctgtaaatcc tagacttgaa agttttccag tattgaaaac 900
ttcaaagctg aatatttttt atttctaagt atttaaatgt tctaacagat cagaacatga 960
aatgccctcc taaatgtcag ctgttgtcac acagtagctc caacactttg agcattttta 1020
agggagtggc ctcatttcac tagagacaaa tctttaagaa tagttctaaa attgggcttg 1080
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tttgccaggg gcatccaagg caaacaatcc caatctttct atataaaatg tattcaagca 1200
aacatcaaata aaatttcttg gatattttaa aaaaaaaaaa aaaaaggggg gggccttaaa 1260
gaaccaagtt tantttggg 1279

```

<210> 1665

<211> 2509

<212> DNA

<213> Homo sapiens

<400> 1665

```

cggtcaggt gctggcggtc cgcgcggcgc cgctctgct gcgggycggg ggagccagac 60
gaggtgctgc cgggtaggaa aaaatccagg gctcattcat accccaggtc acgattccgg 120
ggtcgcccc agcactttct cgcgggtgc atcaacctga aaaagccck tcttcttgga 180
aaccctcctt ctccagcgtt tcaacgggga aactgatcag ctgacaccag cccagtcct 240
gcgagggggc ggcgaccttt gacctttctc caaargggac cacctggctt catgtgtgga 300
tttccacggc tcttgcccag aggcgggtac actgtgttcc aatgtgccac ggaactcacg 360
cagtggcact ttgtggcttc atgaaggaag aggcaggcca cgcaacactt cctccccaa 420
ccaaggagaa gtatcacttt tagaggcaga ggagcggaag gcagtgggtg tgacccaaa 480
tgccatttgt taaagactgt tggagcagaa ctactgagaa aaaccaggca ttgtatcttc 540
agttgtcatc aagttcgcaa tcagattgga aaagctcaac ttgaagcttt cttgcctgca 600
gtgaagcaga gagatagata ttattcacgt aataaaaaac atgggcttca acctgacttt 660
ccacctttcc tacaaattcc gattactgtt gctgttgact ttgtgcctga cagtgggttg 720
gtgggccacc agtaactact tcgtgggtgc cattcaagag attcctaaag caaaggagtt 780
catggctaata ttccataaga ccctcatttt ggggaaggga aaaactctga ctaatgaagc 840

```

1044

```

atccacgaag aaggtagaac ttgacaactg cccttctgtg tctccttacc tcagaggcca 900
gagcaagctc attttcaaac cagatctcac tttggaagag gtacaggcag aaaatcccaa 960
agtgtccaga ggccggtatc gccctcagga atgtaaagct ttacagaggg tcgccatcct 1020
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cctgcagagg cagcagctgg attatggcat ctacgtcatc caccaggctg aaggtaaaaa 1140
gtttaatcga gccaaactct tgaatgtggg ctatctagaa gccctcaagg aagaaaattg 1200
ggactgcttt atattccacg atgtgacctg gtacccgaga atgactttaa cttttacaag 1260
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gtgtcacgag tctggagaac agatgggttg agtagttgtt cttataaatt agtatctgtg 1620
gaacacaatc ctttatatat caacatcaca gtggatttct ggtttgggtg atgaccttgg 1680
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gagatttatt taaatttgaa gtaatatatt atgggataaa aggccacagg aaataagact 2040
gctgaatgtc tgagagaacc agagttgttc tctgtcaagg tagaaaggta cgaagataca 2100
atactgttat tcatttatcc tgtacaatca tctgtgaagt ggtggtgtca ggtgagaagg 2160
cgtccacaaa agagggggaga aaaggcgacg aatcaggaca cagtgaactt gggaatgaag 2220
aggtagcagg aggggtggagt gtcggctgca aaggcagcag tagctgagct ggttgcagst 2280
gctgatagcc ttcaggggag gacctgccc ggtatgcctt ccagtgatgc ccaccagaga 2340
atacattctc tattagtttt taaagagttt ttgtaaaatg attttgtaca agtaggatat 2400
gaattagcag tttacaagtt tacatatata ctaataataa atatgtctat caaataacctc 2460
tgtagtaaaa tgtgaaaaag caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2509

```

<210> 1666

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1666

```

gtgagtgtgg ctgcgggcct tgctgcacgg accccatggg agctgtgagt gggtcagact 60
tccctggttc aggagacaga cagcggacgg atcccaggct gggcagctgg agggaggkrc 120
ccggggcgct gggcagccgg gctctacaca gtcagcagct ccggggccgc aggccggcgg 180
ggtccacaca ggctggccgg gctgggcctc cttggagcct gctacgccct cgtgggacag 240
tggagaaggg cccactgtct ccacacgcca gccacagggg agccctggcc aggcgcccag 300
ccaggggagc gtgtgcctgg gatgggtcac agaaccagcg ggcacctgtg aggctggcca 360
gcaccgtggg gctgtgggaa tcgctcttat ttatatattwa acmccttgra ttttcaaaaa 420
a 421

```

<210> 1667

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1045

<222> (205)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (421)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (435)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (502)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (514)
 <223> n equals a,t,g, or c

<400> 1667
 gggacatcta cagccactgt gtaaatagaa ctgcctaata ttgagagtgg ttttagcat 60
 taggttttagc aaggggggaga tccgtgggtt gtgcgtcagc tttgggtgaa ttttgtttct 120
 accctgtcac ggggaaagt cgggttgagt ccaggagtgc acactgctgc tgccacccaa 180
 tgcgctacat atcacttttt tttgntttgt tttgttttgt ttttaaaaga tcattttatc 240
 ttaaaaagga aagctgatcc aagtaaacac gaaagtattt gacacacccc acagatttta 300
 catgtgtgta aatgtttcac tttaaaatct ctatgacaga tacacaggaa acatgagatg 360
 gtttctgcta atgagtggcc cttgagtaca cacttagatg ctgtctgccc tgtaaatttg 420
 natctggtgc cccanggcac tcaactcttc tagcacaggc tgaaaacacg tgtgtgtcaa 480
 ctgaggttca caccacttg gngaattgagc ctgntttctt tccca 525

<210> 1668
 <211> 1349
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (9)
 <223> n equals a,t,g, or c

<400> 1668
 tcccggtcna cccacgcgtc cggcgggcgcc ggcggaaggt tcagcaggga gccgtgggccc 60
 gggcgcgccg gttcccggca cgtgtctcgg cactggcag cgcgccctggc cctgggcttg 120
 gaggcgcgg cgccctggat ccgcggcgccg tggtcgcca gtcggtgtcg tccttgacca 180
 tcgcccagcg gttcattgca gccggcgaga gctcagctcc gaccccgccg cgccccgcgc 240
 ttcccaggag gttcatctgc tccttccttg actgcagcgc caattacagc aaagcctgga 300
 agcttgacgc gcacctgtgc aagcacacgg gggagagacc atttgtttgt gactatgaag 360

1046

```

ggtgtggcaa ggccttcate agggactacc atctgagccg ccacattctg actcacacag 420
gagaaaagcc gtttgtttgt gcagccaatg gctgtgatca aaaattcaac acaaaatcaa 480
acttgaagaa acatttttgaa cgcaaacatg aaaatcaaca aaaacaatat atatgcagtt 540
ttgaagactg taagaagacc tttaagaaac atcagcagct gaaaatccat cagtgccagc 600
ataccaatga acctctatct aagtgtaccc aggaaggatg tgggaaacac tttgcatcac 660
ccagcaagct gaaacgacat gccaaaggccc acgaggggcta tgtatgtcaa aaaggatggt 720
cctttgtggc aaaaacatgg acggaacttc tgaaacatgt gagagaaacc cataaagagg 780
aaatactatg tgaagtatgc cggaaaacat ttaaacgcaa agattacctt aagcaacaca 840
tgaaaactca tgccccagaa agggatgtat gtgcgtgtcc aagagaaggc tgtggaagaa 900
cctatacaac tgtgttttaac ctccaaagcc atatcctctc cttccatgag gaaagccgcc 960
cttttgtgtg tgaacatgct ggctgtggca aaacatttgc aatgaaacaa agtctcacta 1020
ggcatgctgt tgtacatgat cctgacaaga agaaaatgaa gctcaaagtc aaaaaatctc 1080
gtgaaaaacg gagtttggcc tctcatctca gtggatatac ccctcccaa aggaaacaag 1140
ggcaaggctt atctttgtgt caaaacggag agtcacccaa ctgtgtggaa gacaagatgc 1200
tctcgacagt tgcagtactt acccttggct aagaactgca ctgctttgtt taaaggactg 1260
cagaccaagg agcgagcttt ctctcagagc atgcttttct ttattaaaat tactgatgca 1320
gaacatttra aaaaaaaaaa aaaaaaaaaa 1349

```

<210> 1669

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<400> 1669

```

gcgttcttgca ggtgggctgc ggcgcgactt accaacaacc gggtcggggg ctcccggaag 60
tgctcttgcg gcttactgcc tggcacagct gtcattcttc tctacagaag agcttctcct 120
catcaactgg ggatgattac agttcttcct aaaaaaggat ggctgctctt tttctaaaga 180
ggttaacact acaaaactgta aagtctgaaa atagttgcat tagatgtttt ggtaaacaca 240
tcctgcaaaa gacagcacca gcacagttgt cccctattgc ttctgcccc aagactctcct 300
tcctaattca tgcaaaaagcc tttagtaccg ctgaagacac ccagaatgaa ggaaaaaaga 360
caaaaaagaw taaaacagct tttagtaacg ttnggaagaa aaattagtca gcgagttatt 420

```

1047

tcacttatttt grtgagragg gcaatggttt tggggaacng gcaccggggc aatgtggntt 480
 gganttt 486

<210> 1670

<211> 1957

<212> DNA

<213> Homo sapiens

<400> 1670

tattaacata atattgagac gtaatacgtc gaacagtgga ggagcgggaag cttagctag 60
 aaatggagaa acaagaattt gaacaactga gacaggaaat gggmgaggaa gaggaagaaa 120
 atgaaacctt tggattgagc agagaatatg aagaactgat caaattaaaa aggagtggct 180
 ctattcaagc taaaaaccta aaaagcaagt ttgaaaaaat tggacagttg tctgaaaaag 240
 aaatacagwa awaaatagaa gaagagcgag caagaaggag agcaattgac cttgaaatta 300
 aagagcgaga agctgaaaaat ttcatgagg aagatgatgt tgatgttagg cctgcaagaa 360
 aaagcgaggc tccatttact cacaaagtga atatgaaagc tagatttgaa caaatggcta 420
 aggcaagaga agaagaagaa caaagaagaa ttgaagaaca aaagttacta cgcatgcagt 480
 ttgaacaaag ggaaattgat gcagcactac aaaagaaaag agaagaggag gaggaggaag 540
 aaggtagcat catgaatggc tccactgctg aagatgaaga gcaaaccaga tcaggagctc 600
 catggttcaa gaagcctctt aaaaacacat cagttgtaga cagtgcagcca gtcagattta 660
 cgggttaaagt aacaggagaa cccaaaccag aaattacatg gtggtttgaa ggagaaatac 720
 tgcaggatgg agaagactat caatatattg aaaggggaga aacttactgc ctttacttac 780
 cagaaacttt cccagaagat ggaggagagt atatgtgtaa agcagtcac aataaaggat 840
 ctgcagctag tacctgtatt cttaccattg aaagtaagaa ttaatcactc tttttatctt 900
 ttattctatt aatttttttt tccctaaaaat cacttttctt cttctctttt ttagctgatg 960
 actactagct cccctccctt ctccttgga ctttctctt cactccaact ttcttactac 1020
 atccatcttt tctgtggcgg ggccaaaaaa ggaaaccagg agtgccacta tgctgacttc 1080
 ttattccttt tcataacagt cttcaaagca cagctcatct aaagaatgcc tacttctttt 1140
 ccaaataagc atcagattta tcgcctatta tgcagtaaca gtcaataaaa tgtacttatg 1200
 ggggggaatt actcaattat tctatcagaa cctattataa agactgtatt tcccatagac 1260
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 atacattatt ttgcatgaag gaatgtcatt tctgagcttt ttacacctaa aattaggctg 1380
 aaatagctga gataattaat ttggaacctt tcaatttgag tggacttttt ctttagtagt 1440
 acaccatttt gggtgttgta gtttcaaagt ctttctgaag cagatatatt gggattggag 1500
 cgggggtgggg aaaactgtca ctcctttcag aggaaaaggg gaggagcatg gagaaaaaca 1560
 aaaattaaag gacttaaaga atggctatac agtggtgagt gttgaggata ttaacatgt 1620
 tatttttcaa acgtatgtaa tatatatata atttataaag caaatttatg ttgtgatctt 1680
 gcctgaacaa attatatatt aatgaaaaaa ctttctatta atagtccacg caagagaaaa 1740
 cactttcaac atagtcgaag gcttcaagat ctaagtgtat cagacttagg gaaaaagtgg 1800
 cacaaccttc gatttaaaat tctagtcttt aaaatgagtt tgtaataaat tagctattac 1860
 gttctattaa gttgttttat attttaattt tctggaagac aattttattt tacaacgtga 1920
 acccaaataa agtaacttct gtatttataaa gtcaaaa 1957

<210> 1671

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

1048

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (721)

<223> n equals a,t,g, or c

<400> 1671

```

tggcattatg ggatgtatgg ccaggctntt ccntgccagg aanttattcc aggcatgggtg 60
gaatccttca tcnggaatgg atgggttttcc ntttatgcc aaaggcccat gtctaaccct 120
ttattattaa ttccagcagc atgggggactg gtaccagtgg ttccctcaaaa gtgtggaccc 180
cggaccacagc cagtgrgagc atcatctggg aacttgggta aaaaatgtaa attattaggt 240
cctaccttaa acctcctaaa tcacaagctt tgctttaaca agcaacctgc actttaaaca 300
aactctctag gtgattctgg tgcattgctaa agtttgagcy tcttataata ammtasaaac 360
tgtaccacaa ctgataatta tagtctcctt tagggataaa tcaattatta gttacaaatt 420
aggcaataaaa aggcaaaata ctagagaaaa taaccaagag attaagtttc ttcacatatc 480
agtgaaaaaa agtaaagaac attttatggg gaattwgaga tatacagaga attacattta 540
acattcacca taaaaagtaa agaacatttt atgggtgaatt tgagatatatac agagaattac 600
atttaacatt cactgatggt tcatctgtca gtagaaagaa ggccgnaaga aagggtgatcc 660
caaactgggt aatgtcgagt aagaggaatg taaaatggca aaaccaggaa gcaaaaatta 720
ngaagcaaga gctgctctaa aggaaaagga aaagtctctt cactaacaca gaagagcgca 780
ggagctgcag ggccgggttaa tcaaccaccc agata 815

```

<210> 1672

<211> 832

<212> DNA

1049

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 1672

```

ttgcaggtac  cggtcccgaa  ttcccgggtc  gaccacgcg  tccgaggttn  gaaggcgaga  60
tctgattctt  caccctcac  ccctgnccgg  gctggtgaca  ctgaaggcaa  agactgggac  120
accaagggtc  cagaactggc  tcgtgcccc  ctctgtgcgg  catgagcagc  gcccccgcg  180
sgggccccgc  gcccgccagc  ctcacgctct  gggacgagga  ggacttcmag  ggccgtcgct  240
gtcggctgct  aagcgactgt  gcgaacgtct  gcgagcgcg  aggcctgcm  agggtgcgct  300
cggtcagggt  ggaaaacggc  gtttggtgg  cctttgagta  cccgacttcc  agggacagca  360
gttcattctg  gagaagggag  actatcctcg  ctggagcgcc  tggagtggca  gcagcagcca  420
caacagcaac  cagctgctgt  ccttcggcc  agtgctctgc  gcgaaccaca  atgacagccg  480
tgtgacactg  tttgagggg  acaacttcca  aggctgcaag  tttgacctcg  ttgatgacta  540
cccatccctg  ccctccatgg  gctgggccag  caaggatgtg  ggttccctca  aagtcagctc  600
cggagcgtgg  gtggcctacc  agtaccagc  ctaccgagc  taccagtatg  tgttgagcgc  660
ggaccggcac  agcggagagt  tctgtactta  cggtagctc  ggcacacagg  cccacactgg  720
gcagctgcag  tccatccgga  gagtccagca  ctaggctcca  cggccccaga  caccttccct  780
gaggacactc  aataaagggt  cctgaatctt  cctgccaaaa  aaaaaaaaaa  aa  832

```

<210> 1673

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1673

```

gcaagaagga  cttctttggg  aaatcagacc  ccttccttgt  gttctacagg  agcaatgagg  60
atggcacgtt  caccatctgc  cacaagacag  aggttggtga  aaacacgctg  aatcctgtgt  120
ggcagccctt  cagcatccct  gtgcgggctc  tgtgcaatgg  agactatgac  agaacgggtg  180
agattgatgt  gtacgactgg  gaccgggatg  gaagccacga  tttcattggg  gagttcacca  240
ccagctaccg  ggagctgagc  aaggccccaga  accagttcac  agtatatgag  gttcttaacc  300
ctcggaagaa  atgtaagaag  aagaaatatg  tcaactcagg  aactgtgacg  ctgctctcct  360
tctctgtgga  ctctgaattc  acttttggtg  attacatcaa  gggagggaca  cagctgaact  420
tcacagtagc  cattgacttc  acggcttcca  atgggaatcc  tctgcagcct  acctycctgc  480
actacatgag  tccctaccag  ctcagcgctt  atgccatggc  cctcaaggca  gtgggagaga  540
tcatccagga  ctatgacagt  gataagctct  tcccagctta  tggctttggg  g  591

```

<210> 1674

<211> 616

<212> DNA

<213> Homo sapiens

<400> 1674

1050

```

agttttatca tctgtaaaat ggagataagt attgtcagag taaacatgaa gattagaaag 60
aacacttaat gtgctgggcc ttttataggt taacactgac atctcaggct gaactatata 120
cattttcctt cacaaccata tcaatcctta taaactatgg atttatgctc cttaaaacaa 180
tatataatgc tgatcactac tataaatgcg tggttttaac caactgtact gaaacagctt 240
tgagtttata ttctgtttgg atatttgagag aaaacaacaa gtgctctcaa gagyayttgc 300
ttagaggccg gctgtgtgag tggataactt tgaaagctgc ttttgagacg ccagtgtctg 360
gcatttcctg cattctggcc tggaggcccg acgtgaatct gacttctagt aaaaatacac 420
ggttcccttg acaaagtcga gctgtttatc ccagagactg cacaattttc cgttgatagg 480
catggaccaa tgctaactgg aaatcattgc aaaaagtttt tttgtcgggc ggagggtgtg 540
gtgttaagat aaacagtgtg caacagaaga aattaaact ggaagaaatt aaagggtttt 600
ttttagaaaa aaaaaa 616

```

<210> 1675

<211> 667

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (601)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (639)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (666)

<223> n equals a,t,g, or c

<400> 1675

```

aaaacgaggc agaacaggac gtgattttaa acatttgctg ggctgtgcc aattcctctg 60
gcagtttagct cagaggaagc tcccttcgct ctggggaacg gttctgtgtc tcattgggtc 120
atttctcttg agctcttcgg cagtcaaatt tgcttttttg aaaacttaag ctggggggcg 180
ttgcaagtag taaatagagg agttgggggtg gggggggggcg ttcaytatct aggtttgtta 240
ggggcctcac ggttttcggg tcggagaatc cactgcgtgc tcctcctctt cccctggccc 300
ggactccag cttcattgtg tcatcccgcc tgggggaaag caccacccgg gatcgtcagc 360
ccactccag ccagcctagc ctgsaagtct cagaaaaaaa gcaaaaactgg gagaaaaatag 420
aagggtgtgag ggaggagtgc acccctaggc ccaccataa caaaaggctg ttattccgaa 480

```

1051

```

agggctgagg aagggttttaa aactgctcgc ccgagaaggg tggagcctac acacaggaaa 540
tgtcttaact gtcctctctt ggacaacgta aagtttttaa attttaaaaa aaatcaatgt 600
nccccctgat atttttacct tnataccctg tttcttaang gaaaatccct tcaaaagggg 660
taancnt                                         667

```

<210> 1676

<211> 831

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<400> 1676

```

tttaagaatt gttggcatct gtattcttga ttaataccct tgtttttcaa gatgtacttg 60
cagtaaatat atttgctttt taattcttgg ttagcagttg aaatgggtgag ttccagaagg 120
ttaaaaaggt aattttgtct taagtgaata aaacaaatta ttataacagc atcttataaa 180
ttaggggatcc caagctgatt tctaaacatt tctactgagt aaagaaatta taccaaatat 240
ttgattagct cattctatatt aatttttgnt tttgntttgt atcatggatt aggtactaga 300
accacagaat gtcgatcctt ctatggttca aatgaccttt ctagatgatg ttgktcactc 360
tttgttaaaa ggtgaaaata ttggcattac atcacgacgc aggtctcgtg ccaatcaaaa 420
cgtcaacgct gttcacagcc attatacacg tgcccaagca aatagtccca gaccagcaat 480
gaactcccaa gctgctgtac caaaacagaa tacacaccag caacagcaac aaagaagtat 540
ccgtccaaat aagaggaagg gctcagatag cagtatacca gatgaagaka agatgaagga 600
ggaaaaatat gattatatat cacgaggaga aaatcctaaa ggtaaaaaca aacacttgat 660
gaataaaaaga aggaaacctg aggaggatga aaagaaacta aatatgaaaa gacttcgaac 720
tgacaatgtt tcagactttt ctgagagcag tgactcagaa aattcaaata agagaataat 780
agataattcc tcagaacaga agccagagaa tgaawtgaaa aaaaaatact t 831

```

<210> 1677

<211> 1319

<212> DNA

<213> Homo sapiens

<400> 1677

```

ggctggcttc tgcgtggtgc agctgcgcac gtgtttcagc cggcagcgct ttaagatttc 60
cggggatgga atccgaaatg gaaacgcaga gcgccrgggc agaggagggc tttacccagg 120
tcacccgcaa ggtggccgac gggcgaagaa acgacaggct gaacagctgt ccgcagcagg 180
agagggcggg gatgcgggcc gcatggacac agaggaggcc aggccggcga agaggcccg 240
cttcccaccc ctctgtgggg acgggctcct gagtgggaaa gaagaaacaa ggaaaattcc 300
agtcccagct aacagataca caccattgaa agaaaactgg atgaagatat ttactcctat 360
tgtggaacat ttgggacttc agatacgctt taacttgaaa tcaaggaatg tagaaatcag 420
gacttgtaar gaaaccaagg atgttagtgc tctgacaaaa gcagctgatt ttgtgaaagc 480
ttttattctc ggcttttcagg tggaggatgc acttgccctc atcaggttgg atgacctctt 540

```

1052

```

cctagagtct tttgaaatta cagatgttaa acccctaaag ggagaccatc tatccagggc 600
aataggaaga atcgcctggca aaggaggaaa aaccaaattc accatagaga atgtgacacg 660
gacaaggata gtttttgctg atgtgaaagt tcacatcctt ggctccttcc aaaatatcaa 720
gatggcaaga actgccattt gcaacctaata cttgggaaat cctccttcca aggtttatgg 780
caatatcga gctgtggcta gcagatcagc agatcgattc tgatttcaag tcagagactt 840
tttatcttgc ctttggactc tggtgaaaaa tactttacag tggtcgggtca caagaaacca 900
tctgaacaat ttcagtcatt tgaagcctcc gtcccttctt ccattctcag ccagaagcat 960
aaacagaaaa gaaagattta agaggattca cactcaacag gtttttaggat aatttaaata 1020
tcaaaaattg attgttatac ttacacatta ggtataattt atcatttatc tgaaatcaca 1080
tgtagcagat tgcatagtct gtaatcctct cagagggaaa cttcttggtt aaacagctct 1140
atatggattt atacttttat atttataaat ttataacttc atacaaattt ataaacattt 1200
ctttataaat tgtaatttaa tagattatct cagaaaaacc tctctgaatg atgacccttc 1260
cttaatactg ggtgatgtgt gaatatttgt ttgttggcag acaggtctc actttgtca 1319

```

<210> 1678

<211> 470

<212> DNA

<213> Homo sapiens

<400> 1678

```

gcatacacag gaatgtgtct tctaagatat gccactgatt acatgtgagt acctgagaga 60
gaagaaggcg aaggagaaga aactccaaat tttagccact gggggcccacc gagaattgtt 120
gagattttta gagaacccaa tgtgtcyctt gggatcagta ttgttgggtg acaaactgtt 180
ataaaacgtc taaagaatgg agaggagcct taaagggtata ttcacaaac aagttttaga 240
agacagtcca gcagggaaga cgaacgcact taaaactgga gataaaatac ttgagggtgtc 300
tggagtagat ttgcagaatg cctcacacag cgaagcagtt gaggccatta agaatgcagg 360
aaaccctgtg gtgttcattg ttcagagttt gtcacccact ccacgagtca ttcctaattgt 420
acataacaag gccacaacaaa tcaccggtaa ccagaaccag gacacccaaa 470

```

<210> 1679

<211> 1126

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1120)

<223> n equals a,t,g, or c

<400> 1679

```

aattcggcac gaggtgacca ggagtcgacg tgtgcagaag tcctggtaat ctggtccttg 60
ttcccgtctg gataccagct tccttcagca gcgcaggcgg tggtccttga ggcccgtgga 120
aggagtcaaa cttgcgggaa ttttgcagtt tatctgcagg gctgttggtt ccagcaagac 180
ccaaagctag aaaaggagga ggaagaaact gacccgatca gtgccagaag tcattgtatt 240
caaagaagaa taagcaagaa agaaaagaag gaaggaagag aggtagacag atacaagatg 300
aaatcctgtc aaaaaatgga aggaaaacca gaaaatgaga gtgaaccaa gcatgaggaa 360
gagccaaagc ctgaggaaaa gccagaagag gaggagaagc tagaggagga ggccaaagca 420
aaagggaactt ttagagaaaag gctgattcaa tctctccagg agtttaaaga agatatacac 480
aacaggcatt taagcaatga agatatgttt agagaagtgg atgaaataga tgagataagg 540
agagtcagaa acaaaacttat agtgatgcgt tggaaaggta atcgaaacca tccttaccctc 600
tatttaattg agtttacctt gatttttatc tgatatatac aataccatat agcttgcttt 660

```

1053

```

ttattagcat ttcctgatat tcctttgtcc atatttctac ttataacctg ttgctattaa 720
tgggttttaga tgtatctctt gttatctgca tctcattggt tattgtattt tgaaccaatc 780
tacaagtctc tgtcttttaa taaaagaact ttacacattt gtaaaaaaga ggttcttggt 840
aagatataaa atggaaaaag gctaagtaat atgtgaatat catatttttg aaaggtaaaa 900
agtacatttg tatattacat atatggacat aacttgtgaa ggatgaaaga aagtacagcc 960
tctcgggtggg gggattatga atgatttttc tccttttgct tgtttgtatt ttctatatcc 1020
ctaaaattaa cacacattat tattgctaga ataataaaag ttttataaaa aagaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggg 1126

```

<210> 1680

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<400> 1680

```

accctcacta aagggacaaa agctggggct ccaccgcggt ggcgnccgct ctagaactag 60
tggatcccc gggtgcagg aattcggcac gagaaatggt catgcctcta cggatcagtt 120
aagtgaagaa aaggagaaa gggcatgtgg ctgttgagaa gtcaagtaag ygacatagta 180
gttcagggtg cccatgcctg ggatcttctc tatgattgat acatggcaca gtgagagatt 240
aatgggcatt gtgtacaaat tgcttctcac catccccatt agacctacga ataaagcatc 300
cggttctaaa attaatattg tgcagctttg taaatatttc ttttaagattc agcctgagag 360
ttaggrgaaa tatttcagag ccaaaagtgc cttatacaac cttagcctat tatagtraak 420
cattcaaggg attcagaatt tttggcagtc acargaagag tgtatttatt atgtagratg 480
gaatgagggg acctgtcacc ctgcccttaa ntgtaggtag ggccccagag tcttaccatt 540
ttaaggatct ttaccatgcc aggtttataa aaaccgggcc accaggtctt tcaatccagg 600
attttgaaag gcttcattgc ccatagggtg 630

```

<210> 1681

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<400> 1681

```

gcatagaggct atagcatggt tatgactctg gtttctttct cttcagggtg ttttatacca 60
ttactgttaa tgttatttta acttggcatg tataacattg ccatatagag tagagtagaa 120
agttgcaaatt tttgatagtt tacagagtta aacactaaac atatccaaag tccatttaga 180

```

1054

```

gttttgggtg ttgtattttg ccatttttgt gatgtgtggc cttttattct gtaatctctt 240
ctaaataaaa cattgaacat ccagcaaaca taaaacctgc ctcatttgaa aaggaatttc 300
aaaattccaa ttaataggat tctctagaga gttttgtact ttaatatattg tcagtgtagt 360
gtcaactctg ttaccaaggt agcttcttgg taaatccagt agctactcaa tgctatttgt 420
actgaataaaa gcaattatta acatgatact tcccactatt gattaatgca atattgatat 480
atttggcggt gtggtagctg ttgcagaatg aatagtgtaa tgaccataag attgcttgga 540
aaattgtaat mcagatatcc acaatgaatt ctttnccaaa attttttttt ccgatgataa 600
aagtagtaga tg                                     612

```

<210> 1682

<211> 1194

<212> DNA

<213> Homo sapiens

<400> 1682

```

gcaaccaggt ctacttttta atggctttca taacactaac tcataagggt accgatcaat 60
gcatttcata cggatataga cctaggggtc tggaggggtg gggattgtta aaacacatgc 120
aaaaaaaaaa aaaaaagaaa ttttgtatat ataaccattt taatctttta taaagttttg 180
aatgttcatg tatgaatgct gcagctgtga agcatacata aataaatgaa gtaagccata 240
ctgatttaat ttattggatg ttattttccc taagacctga aaatgaacat agtatgctag 300
ttatttttca gtgttagcct tttactttcc tcacacaatt tggaatcata taatataggt 360
actttgtccc tgattaaata atgtgacgga tagaatgcat caagtgttta ttatgaaaag 420
agtggaaaaag tatatagctt ttagcaaaag gtgtttgccc attctaagaa atgagcgaat 480
atatagaaat agtgtgggca tttcttctct ttaggtggag tgtatgtgtt gacatttctc 540
cccatctctt ccactctgtt tttctcccca ttatttgaat aaagtgactg ctgaagatga 600
ctttgaaatcc ttatccactt aatttaatgt ttaaagaaaa acctgtaatg gaaagtraga 660
ctccttccct aatttcagtt tagagcaact tgaagaagag tagacaaaaa ataaaatgca 720
catagaaaaa gagaaaaagg gcacaaaggg attggcccaa tattgattct tttttataaa 780
acctcctttg gcttagaagg aatgactcta gctacaataa tacacagtat gtttaagcag 840
gttcccttgg ttgttgcat aaatgtaatc caccttttagg tatttttagag cacagaacaa 900
cactgtgttg atctagtagg tttctatttt tcctttctct ttacaatgca cataatactt 960
tcctgtattt atatcataac gtgtatagtg taaaatgtga atgacttttt ttgtgaaatga 1020
aaatctaaaa tctttgtaac tttttatatt tgcttttgtt tcaccaaaga aacctaaaat 1080
ccttctttta mwamaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgccgct tttta 1194

```

<210> 1683

<211> 1014

<212> DNA

<213> Homo sapiens

<400> 1683

```

acacctccaa cagactctca ttaagattca gttattttcg ctccccagcc ccacactcct 60
ttcagattat cgttcatggg cgtaagtctc ttctcagagt taacaagtct ttggtagtca 120
tcctctgtcc aaatattgta tattattaaa aggcattttt aataattacc agaattagct 180
caaaccttta gggatctttc agccatgatt attaaggata tgtatgtgaa tttttgggaa 240
acctctcggg gctggatgcc agcctacagc aggggccatt gctggcaatg gatggcccag 300
gaaggtccct agagatcact cacttgaaaa atgaggggtcc catgaaagta tttggttgcc 360
ttctgatgcc acttcttctc actttacttt ttgcttattt tcaaaatatt ataaaatgtc 420
aacatataat ttcagaaagg caggtggggg taggggagaa atgaatgaat aaattctcta 480
ggtatttaga aagataagaa actgaagacc gagagactaa taaggctgct tacctaatta 540

```

1055

```

ttataatcat ttcatttgcc tgaatgtttt aagcaggaag tagaaatact ttggctgccc 600
aaatgtatct tttgttcctc ttagaagtaa aataagctac atacaataaa aatttatttc 660
agaaccccat ttctagaaaa taccacccca gagtcctcat ttgatagcat ctgtctcctg 720
cagacctcat cattccacag tatttccttg ccatgtaaaa atcctgactt tgtgcgtata 780
taaaatgtat gcaattaagt ctgtttaaat gatatttaag ttttaaagac tgtattttgt 840
tgacacatac tttgtgcagt ttttatgtat gtatgtatta taaaaaaagt taaggttaaa 900
aacatctcat ttaatagtga gttcactatt tttttttttt tgtctctggg ttgtaattta 960
ataatcttca aacaaaatgt ttacgaaaaa tgccaaagat tctaaatctt aaaa 1014

```

<210> 1684

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<400> 1684

```

ggaaaagcac ctacaagaga gctgcatgga gctgtgggtg catttcctgt taccaccagg 60
gcatcccaga atgctgacaa agagaaaact aagaccttcc cactctgatt tgttacatgt 120
cataacacca agcaagtgcg agaggagaca attatggggc ccagaggaag gtgcctgtat 180
catgtagaca aaatccaaag cagcttgttt cagacaaaac attttgcttt ggaaactttt 240
gaaacttcca tggccgttga atatagcaga gatgatctaa aaattttaga agcgggttgag 300
gtacccgtgg taggggcaag gcatgggagt ggtgatcctt aaggggcttg tcttttagttt 360
gagggccaca cacagaggag gtgggcagaa aactgaggtc tycccagagc agcttttycag 420
acnaaaaaaa a 431

```

<210> 1685

<211> 569

<212> DNA

<213> Homo sapiens

<400> 1685

```

gcggacgcgt gggttgacta ttctgaggac aagagtagtt gggacaacca gcaggaaaac 60
ccccctccta ccaaaaagat aggcaaaaag ccagttgcc aatgcccctt gaggaggcca 120
aagatgaaaa agacaccgga gaaacttgac aacactcctg cctcacctcc cagatcccct 180
gctgaaccca atgacatccc cattgctaaa ggtacttaca cctttgatat tgacaagtgg 240
gatgacccca attttaaccc tttttcttcc acctcaaaaa tgcaggagtc tcccaaactg 300
ccccaacaat catacaactt tgaccagac acctgtgatg agtcogttga cccctttaag 360
acatcctcta agacccccag ctcaccttct aaatccccag cctcctttga gatcccagcc 420
agtgcctatgg aagccaatgg agtggacggg gatgggctaa acaagcccg ccaagaagaag 480
aagacgcccc taaagactga acatttargg tgaaaaagtc gccaaaacgg tstyctytyt 540
ctgatcacyt tccaggaccc acccaagtt 569

```

<210> 1686

<211> 922

<212> DNA

<213> Homo sapiens

1056

<220>
<221> misc feature
<222> (904)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (912)
<223> n equals a,t,g, or c

<400> 1686
cctcatagca ggcattccaac acggctgcca ggatatcggg gcccgagcc tgtctgtcct 60
tcgggtccatg atgtactcag gagagctcaa gtttgagaag cggaccatgt cggcccagat 120
tgagggtggt gtccatggcc tgcactctta cgaaaagcgg ctgtactgag gacagcggtg 180
gaggccgagg tgggtggaggg gatgcacccc agtgtccact tttgggcaca gcctccctcc 240
ataactgagt ggtccacaga tttgcaactac ggggttctcca gctcctttcc aggcagagag 300
gaggggaggt cctgagggga ctgctgcccc tcaactcgga tccccctgcag agtcaggact 360
gctcccgggg ccaggctgcc ctgggagccc ccctccgagc ccagccagcc aggtctctcag 420
gccctgcgcc tgccctcaggc ctttcttget gcagcctgct ccagcctggc cccaccccca 480
ggggcaggcg gccctcctctg gcttctcctg tagggcacct ccctgccccct agcctcccag 540
gaaatggtgc tctcctggcc ctgcctcttg cccttcccg ggcgctgccc ctcagccatg 600
tggcacttct gagctcctga cctaggccaa ggggaggtct ctgccccctt ccccggccct 660
gggtaccct tgggtcctgc tccctcaggcc gctccccctgt ccctggccat gggtaggaga 720
ctgcccctggt catggccgcc tgccctgtcat tccctgactca ccaccgtccc cagggtgaacc 780
attcctccct tctcctcagc tgcagtcgaa ggctttaact ttgcacactt gggatcacag 840
ttgcgtcatt gtgtattaaa tacttggaat aaatcaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaanaaaaaa anaanaaaaa aa 922

<210> 1687
<211> 1596
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1498)

1057

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1508)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1558)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1589)

<223> n equals a,t,g, or c

<400> 1687

```

tcaccgggtg cgccgtctag actagtgacc ccgggctgca ggaattcgga cgagggcgcc 60
cagggttcttt agtggagaa cgcgaagcga ggatgagtga tccgtggagg cagtaacagg 120
cgccggcgagg gagaagtgat tcccgaagaa tcaaggctgg gccggaccgc gtggcctggc 180
aacagggttaa taagagaaat gaagccaaca ggtacagacc caaggatctt atctatagct 240
gctgaagttg caaaaagccc tgagcagaat gtccctgtta tactgttgaa gttaaaagaa 300
ataataaaca tcacaccttt aggaagctca gagttgaaga aaatcaaaca agatatatat 360
tgttatgatc tcattcaata ttgcctcttg gtccctcagtc aagattattc tcgaatccag 420
ggtggtttgga ytacaatttc ccagcttaca cagatattaa gccattgctg tgtgggcttg 480
gagccaggag aagatgcana ggaattttac aatgaattac ttccatcagc tgcagaaaaa 540
tttctagttt tggggagaca attmcaaaca tgttttatca atgcagctwa ggctgaagaa 600
aaagatgaat tactacactt ttccaaatt gtgactgatt ctctctctctg gcttttggga 660
ggccatgttg aacttattca gaatgtacta caaagtgatc atttcttaca ttactgcaa 720
gctgacaatg tccaaatagg atctgcagtc atgatgatgc tacagaatat aytacagatc 780
aacagtgggtg atttactcag aataggaaga aaagccctgt attcaatttt agatgaagtt 840
atttttcaagc ttttttcaac tcctagtcca gttataagaa gtactgctac aaaactccta 900
ctggttgatgg ctgaatccca tcaggaaatt ttgattttac tgagacaaag tacctgctac 960
aaaggactca gacgtctact aagtaaacag gaaactggga ctgaattcag tcaagaactt 1020
agacagcttg ttggcctttt aagcccaatg gtctatcagg aagtagaaga gcagaaacta 1080
catcaagcag catgcttgat tcaagcctat tggaagggtt ttcagacaag aaagagatta 1140
aagaagcttc catctgctgt gattgctttg cmgaggaggt tcagatccaa acgatcaaa 1200
atggttgctgg agataaatag gcagaaggaa gaagaggacc tcaaattaca attgcaactt 1260
caaagacaga gagccatgag actttcccga gaattgcagc tgagtatgct cgaaatatgt 1320
catccagggtc aggtggagaa acactatcgg gaaatgggaa gagaaatcag cactgattat 1380
ccagaaacat tggaganggt acanggaag gaaaaatttt caccaacaga ggcagtctct 1440
catagaagta taaaagcaac tgtcacactt caaaagagca agcgctttta attcctancc 1500
gaaattgncc gttangaaaa aaggaaacta ttttgccctc cttggggcgaa gggacctncc 1560
aaagaaacct caacctgaaa tgccaacgnc cccaaa 1596

```

1058

<210> 1688
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 1688
ataaaagaag caatcacccc cacatthttcc cctgcccaacc acttgccctgt accaagtgtg 60
agctctgaaa ggggaagtct ttaagggttaa acaagtgttg aagtcttaat tttttttatt 120
acatggactt taccaaactg actttttgtt tgtntctttt tagtggctag aagtgacccc 180
aggatthttt tattatcaag agagactaga agaatcatga gactthttcct agttgccctt 240
caagaatatg aagaaaaaaa tggttctcaa agtgggtttg aatgagtatt gttccaataa 300
atgaacttat attcataaaa aaaaaaaaaa 329

<210> 1689
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

<400> 1689
tccgnaattc ccgggtcgac ccacgcgtcc ngtagtaac tacttcaatg atcatttcac 60
aagaaaaaga ctataaatta agtagaganc aacatthtta ttgaacattt ttggcttgca 120

1059

```

atcaaacttt gccactaaaa attaaacttca taaaacacta gtccgttatc aacttcttca 180
cagagaaaagt agctatacta taccctacat atttatttat ttattattct actatagcag 240
aataacaaaaa cttgatgcat taagccagtt ctttgcaact gaaaattacc tgtttctcct 300
tccctttcac actccatgta tatatgatca gcctctccat taaaaagaag ctggacatgc 360
aartacatca tattatgttt tctccatatt ttatgttttt ctatgtatct gaatacagtg 420
ggataaataa ttgaaagtag tgttcctatg gcattagtgt ttttgtgaga agggtaaagt 480
tagtgagaaa gggttttttca tggcattaat aagaaagccc ttctgtaata tatatattat 540
tttgtaaaca tttcactgaa gggccaaaag tttaaattata actaaatcac tgtgttttca 600
gaatgatatt taacaacaaa cccgtggtca aacccaaaata gtgggttgaa gtgtattatt 660
catcttttag tgcattggca attgcaaaaa aaaaaaagga atttaataata aggctataga 720
gattaattca gtgtctaaca tttgtattta tttaaatagt tattgaccta tgatgacttt 780
ctagtcttaa cattttayct ttttattgtt gttgttcttc ctttcaaaga tgtggttctt 840
aataggttca ctgaatgcac agttgaggca cttcttgtga caccagttcc caagtagcgt 900
taataattgg gcctgtgtca taaaatgcac ggatcattaa taactaaatg tccctgacac 960
ttttcactac agggctggac ttagtaactg accaacttcg gggggagggt tggggcaagg 1020
gggggtgggc gttagaacat gatcaaaaaa tgtctccgct cagggattta tgggtggatta 1080
ttgcagacag tgctaaaaat atagagcaca agacaagttt actaaattaa aattttattt 1140
tttgagaaac tgttatttgt ataaattatc aagatttgta ggctttcctt ttgtagaaat 1200
aattgtttta tgtgccagag aatttcaatt ttgttttcaa caataaagca ttgataagaa 1260
anaaaaaaaaa aan 1273

```

<210> 1690

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (859)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (986)

<223> n equals a,t,g, or c

<400> 1690

```

tttttttttt tttttttttt ttttttgkat taratttttt ttttcctagt accttccagc 60
tctaaaaaaa tttgaaatag cataataaaa gacaaaakga aaacgaaatt ttaattgkaa 120
tattttctgk cacagcagca tatgtatatt tgaaatactg gtaacaattt taaggtagca 180
ttctgtggta ttaatatatta ttaatatgct catgaacttc taagtgcac accagacata 240
tagactcttt actttaaaag agcatatatt taaggcattg aaatggatac agctatatct 300
attctcaatt gtcttaggct atttatatga aagatatgtg tcaattatag gtaggtaggt 360
aggtaggtag attttctgga aacacagaag tacttgacgg agagttaggc ctgtattcta 420
taaactctatt aatggtagca aagtgcataa gacagggatt tctttgagat gaaaggagtg 480
ctgaagaaga gcattggaat taatatattg atgtggtatt gtgaaattca atgggttaaag 540
taacccta atgtgggaataa aagtcaaggg aaaggtcttg aataagtaca cagaaaaata 600
ggctaaaaat attaagggga gggaaatttg aatacaggga gacagtgtgc aagaaagcaa 660
gccaggaatc tgccatgtg gtagacccaa ccattactac ttgaaccccc ttagaaaagc 720
ttttccagca ttccataact caggttcctc atttataaag tgggaaactc ataattgtcc 780
tacctacctc acaggggtgt tgtgaggatc aaaggaacag atgaatgtat gagcactttc 840

```

1060

```

agacatgtaa  ggcaactgtnc  atgtaacaag  taggggaaaag  actctgggag  cacattagtg  900
ttgggtgtgt  gccaaagcccg  tgggttggtt  ggaccgtaag  ggatkatttc  aagttaggga  960
gggagggaag  agaagktggg  cwttgnttat  taaaggttgt  tgttacacac  cttagggttt  1020

```

<210> 1691

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<400> 1691

```

caagtntaag  ccccanattg  ctgctctgaa  agaggagaca  gaagaagagg  tgcaagatac  60
aaggctttag  agagcagcat  aaatgttgac  atgggacatt  tgctcatgga  attggagctc  120
gtgggacagt  cacctcatgg  aattggagct  cgtggaacag  ttacctctgc  ctcaraaaac  180
aaggatgaat  taagtttttt  ttaaaaaaga  aacatttggt  aaggggaatt  gaggacactg  240
atatgggtct  tgataaatgg  ctctctggca  atagtcaaat  tgtgtgaaag  gtacttcaaa  300
tccttgaaga  tttaccactt  gtgttttgca  agccagattt  tcctgaaaac  ccttgccatg  360
tgctagtaat  tggaaaggca  gctctaaatg  tcaatcagcc  tagttgatca  gcttattgtc  420
tagtgaaact  cgттаatttg  tagtgttgga  gaagaactga  aatcatactt  cttagggtta  480
tgattaagta  atgataactg  gaaacttcag  cggtttata  aagcttgat  tcctttttct  540
ctcctctccc  catgatgttt  agaaacacaa  ctatattgtt  tgctaagcat  tccaactatc  600
tcatttccaa  gcaagtatta  gaataccaca  ggaaccacaa  gactgcacat  caaaatatgc  660
cccattcaac  atctagttag  cagtcaggaa  agagaacttc  cagatcctgg  aaatcagggt  720
tagtattgtc  caggtctacc  aaaaatctca  atatttcaga  taatcacaat  acatccctta  780
cctgggaaag  ggctgttata  atctttcaca  ggggacagga  tgggtccctt  gatgaagaag  840
ttgatatgcc  ttttcccaac  tccagaaagt  gacaagctca  cagacctttg  aactagagtt  900
tagctggaaa  agtatgttag  tgcaaattgt  cacaggacag  cccttctttc  cacagaagct  960
ccaggtagag  ggtgtgtaag  tagataggcc  atgggcactg  tgggtagaca  cacatgaagt  1020
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atgctgtcta  cactaagaga  gaatgagaga  cacactgaag  aagcaccmat  catgaattag  1140
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ttttaataat  gtttcaaaac  tatataacaa  tgctgtattt  taaaagaatg  attatgaatt  1260
acatttgtat  aaaataattt  ttatatttga  aatattgact  ttttatggca  ctagtatttc  1320
tatgaaatat  tatgttaaaa  ctgggacagg  ggagaacctt  ggggtgatatt  aaccaggggc  1380
catgaatcac  cttttggtct  ggagggaagc  cttggggctg  atgcagttgt  tgcccacagc  1440
tgtatgattc  ccagccagca  cagcctctta  gatgcagttc  tgaagaagat  ggtaccacca  1500
gtctgactgt  ttccatcaag  ggtacactgc  cttctcaact  ccaaactgac  tcttaagaag  1560
actgcattat  atttattact  gtaagaaaat  atcacttgtc  aataaaatcc  atacatttgt  1620
gtgaaaaaaa  aaaaaa

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1636

<210> 1692

<211> 835

1061

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (832)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (833)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (835)
<223> n equals a,t,g, or c

<400> 1692
caaaaaaaaaag aaaggaaaaa cagggccagg tagccattkt ggagagagca cacttaggaw 60
tcctgggatg ttagtkttaa aagaaagctc ctggagccag tgattctcag gtttgtccca 120
gaaccctttt ttctaagccc catataaaaag gtagattaaa aaaacaaagt agcatgagtg 180
aaattgagag agggacagggt aatgccttcc agcccctaac ttctaacaat ctggaagcac 240
aacgtgaaaa tcackkagcc caaccctatc attttcatat tatgaaactg agtccaggta 300
agtgaatctg tccaagggtca cccagcaagg tatcagtagc cctgagggta aggactctga 360
taaggctcgg gagggtcctg gaaagcctga ggcggcagga agagtgtgca gagttgagcg 420
tgtctggaag gctgatccac tgctgggccc acatcaaagc ccccatgggg agcagacccg 480
actgcacatg gctcttttgc tggagaaga gcatggctgc gcagaggact aaaatttcat 540
ctgggaaggc ttcttttgac tgtcagtagc aggatgtcac cagatgaggg tgctatggga 600
ccacagctgt ctttgttccc attgcaactc aaccctgcrg gaggccgcct gcatccctga 660
gagccttctg gagcctacag aggagacatt ggccagccaa aaggaaagga gtggccaggg 720
tacgacctgg agtagggaag ggaaaaagtt cccggaaaga agagaattgg atgagaggtc 780
tcggtggaag taaagggttt ctggcatttg tcaaggaaaa aaaaaaaaaa annan 835

<210> 1693
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1062

<222> (597)

<223> n equals a,t,g, or c

<400> 1693

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gttttgaccct acgtggaagc ctacaagaag ggggaattctg ggcaatgtgg ttcagcccag 60
ccacatcaca tactattatt tagtagtcat gaagagagag acataggtaa aaacagcagt 120
tagtattttct tcattctgat atctggcagc aagtgagtga tgctaccatt atcgggctaaa 180
atcaggaact ggtattaatg ctttttgttt tgttttgttt tctgctttat tctcctctgt 240
catagacagt gaagagtaag tgaagaattt gagggtcac aaccattgtg aactcatcaa 300
agttagtagc acttaaaatt tgctttttaa atgaatggaa agatkccaag ttttyaatag 360
cacaaatatt tttttctcat ttgtaccttt tttttgtctt ttgtatacag atattcccac 420
tctggccact gcccaaaggg gctcttatct gaggaatact gctgacttcg agtacctagt 480
tttacagagc catctttctg aagcataaat tanattacat tattctacag cttaaatccc 540
tcctgaactt cccatcacc caagagtggg tctgaaacgc cttanagtgg cattcangac 600
ccttctg 607

```

<210> 1694

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (838)

<223> n equals a,t,g, or c

<400> 1694

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ggggcgagcg aggaggatgg cggagtcggg gctcctgacg gaactctaata gaatcattga 60
ttgaccagca ctattttacc agttggaatg aatgatcaga aatgggcata gtgcttttag 120
atccaacatg taacagatgg atgttactcc atgctgatta cttcttcaag ccagtacttt 180
tttgattgtg taggatcttt gtctcttcat ctttgaattc aattactgga aaataaaaagg 240
agttcatgta gtttttgtcc aggcttgagt caccatgagt agtagtttag gaaaagaaaa 300
agactctaaa gaaaaagatc ccaaagtacc atcagccaag gaaagagaaa aggaggcaaa 360
agcctctggg aggttttggg aaagagagca aagaaaaaga acctaaagacc aaagggaaaag 420
atgccaaaaga tggaaaagaag gactccagtg ctgccaacc agggttgga ttttcagttg 480
acaatacgat caaacggcca aaccagcac ctgggactag aaaaaaatcc agcaatgcag 540
aggtgattaa agagctcaac aaatgccggg aagagaattc aatgcgtttg gacttatcca 600
agagatctat acacatattg ccatcatcaa tcaaagagtt gactcaatta acagaacttt 660
atttatacag taacaaattg cagtccctcc cagcagaggt gggatgttta gtaaatctca 720
tgacactggc tctaagtga aattcactta ccagtttgcc tgactctctt gataaacttga 780
agaagctgcg gatgcttgat ttacggcata ataaactgag agaaattcct tcagtggntg 840
tataggctgg attctctcac cactctttac cttcgcttta atcgtataac tactgtggaa 900
aaggacatca aaaacttgct aaaactcagc atgcttagca ttcgagagaa caaaattaaa 960
caactacctg ctgamattgg tgaattatgt aacctcatta cgctggatgt agctcacaat 1020
caacttgaac accttccaaa ggagattgga aactgtacac agataaccaa ccttgacttg 1080
cagcacaatg aactgctaga cctcccagat actataggta tgagaggaga raggagakat 1140
tgatagctgt taatagctaa ctggatatta ataggactat ttttgatcca tttggtaatg 1200
aaaattcagg agtaaaattc acaattacca aagttgtaaa acttttaaga taatatttta 1260
aatcatttt tca 1273

```

<210> 1695

1063

<211> 800
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (57)
 <223> n equals a,t,g, or c

<400> 1695
 ctatgggtgtg ncctgtactg gcactttttat tctgggttttg acttgactta gattgtntga 60
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 ttgggtgtaaa ctgcaaaagt gtgtgtgccc tgttttttttg ttttgtagtgt caygtgtgggt 180
 gtgrgygtgg tgttttgtct cgaagaagca tgggtcagggt acaaataagc ccacccact 240
 aggaactatg ttaaaaaaaaa attcaagaaa gaatttaagg gagattacag tgttactgtg 300
 acaccaggaa aacttagaac tttgtgtgaa atagactggc cagcattaga ggtggggttgg 360
 ccatcagaag gaagcctgga caggtcctctt gtttcaaagg tatgacacaa ggtaaccctgt 420
 aagccaaggc acccagacca gtttccatac atagaaagtt acagctgctt ttataccccc 480
 ttgccccgcc aacgtagtta agagaacagc agcataagcg gctggcagag gcaaggaaag 540
 accagtagag agaaaaaaaa gccatctata ccaattctaa gttaatttag actaaacaag 600
 gtcttaatag caaaggataa ttgaaatccc aaacttacaa ggttttcaac aaaagtgaag 660
 tttgcttaaa gttaacagtgt taacatgtat tatggtaact tctaattctt tggccttaga 720
 cagtctagtc caaaggcata aagaaagttt gcttttaaaa aaaaaaaaaag gaatgggttat 780
 cttcaaaaaa aaaaaaaaaag 800

<210> 1696
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (496)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (517)
 <223> n equals a,t,g, or c

<400> 1696
 ccagcacttt gggaggccga ggcagggtgga ttacctgagg tcagcagttc gagaccagcc 60
 tgaccatctc tactaaatgt acaaaagtga gctgggcatg gtggcgggca cctgtaatcc 120
 cagctacttg ggagactgac gcatgagaat cgcttgaacc tgggaggcga atgttgcaagt 180
 gagccgagac cacaccaccg cactccagcc tgggtgacat gagtgagact ccatctcaaa 240
 aaagtataat aaaataaatg gattaaagac atgaatgtaa aatacaaaaa gtcaaatcca 300

1064

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agaagaaaat tatgkttatc gtaggagtga gtgtgaagtt aggaaaccca aagaaacaac 360
gggcaagggg gatgaacaag cagtttacag acacggaatt cagatcgcca ggaaatatgt 420
gaatggtgtt cgagtytgcc ggtattccat atgcaaatta aggcaacact gtgctcagt 480
gctggcacag cattgnccaa ggcagtaagc gctattna 518

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<210> 1697

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<400> 1697

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cggaatagtg ggttttgctg caaccggttt attttccttc tgttttcacc cattctggca 60
caatctggcg ccacgtcct tcttgtagg ccaagcctga aaatgcgaag cagagaggca 120
ggacaaaaat tgaggcgaat ccaggaacct gccaatgggt ctccgggtgc ggtctctgaa 180
actggaggat atcgggagga aaggctctcc gatgcggaga taatggggaa gctcttggca 240
tggttggtg taggtatgtg ataccggagg agcaggagtc aaataggata cgccgacttt 300
taattcaagg aacccttttc tgaaacactt tgccacaatg aaggaaataa ggaattgtac 360
tctcagagat gttgagaaaa gatacatggg tcttggaag ataattactc aaaatatgca 420
gggaagggat ctagtttgga agcacttaag gaagaattaa gacctccagt ttggaaaaga 480
gggcttctat caggaacaac acganttctg cttaaantgg aagccaagaa caaacctcca 540
atnt 544

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<210> 1698

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

1065

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 1698
gaagaccctg gctctctata aaacagaaaa cgcaaacttt aatattatca acaatcaata 60
tattataaga gattgcaatt tctaagtttc tacctgagtg tttcacaaat acaaactgga 120
cattttccct ttaaatgagt ttattataa aatgtacata ttgattgtaa aaacaaaaaa 180
ttcaaatagt acaaaascac ataagtaact aataaaagct ccctttctgc attaggcccc 240
tcagttcttc ccagggaata tgattaatag ttacattct tgcagaaatt ttttatgtat 300
aaatttttac ccaaatgaat tcattatata aattttttcc aacttagtgt ttttttacat 360
aataatagca agtttaaaaa ttgttcttca ggccangcac ggggtgggtca cgctgtttta 420
tctcacactt tgggaagctg aagcaggaaa acacttgaag tcagganttc aaaacaaccc 480
tgccactggt tgaaaacnt ctctactaaa ttacaaaatc acttggttg gt 532

<210> 1699
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 1699
gcaacatttg tkaaaagtag agggctaaag taacacccct ctaagcattt gttttcagta 60
cttcctagga gtggttgcat ttgggaatgg aattgttaaa acttgatgct taggagcgta 120
tgctgactat tcaactgcgtg gtggggtgga gaggaggagg aggtatgcag ggagaagggg 180
tctgtgcnc 189

<210> 1700
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)

1066

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (620)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 1700

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aattccccggg tcntccccacg cgtcnttnag agagcgagag gaggttttga gagaggagat 60
tcagacactt accagcaagc tccaagaatt gcaagaaatg aagaaagaag agaaagagga 120
ttgccccgaa gtccctcata aggtacagtg accattcagt tgagtctccc gtcagggtgcg 180
gtgagacttt ggtcgtgacg gttctgaccg tttccctgtc cagagttttt tctgaccagc 240
cactgaaaat cccactcccc tttatcatca ccattgattt ctataactca tgtcgtgtgt 300
atcgaagtcc gggtttttga ttaattgact gtcagcaaat tgacttctcg aactgatatt 360
tgagtctcaa ggctgggtgag taaagagttt tccaaatctt ggatcatgcgg aggggtgtagt 420
tatgcggccg gagctgtcac tgagaggcag gaggggcttg gggggaaagg acgaaggctc 480
aaccaggccc ctgcatggac ctgggcatgc gtccctctnct ctcacttaag ttccagaaca 540
caagttggca aaagcctcag cgggcaactgn cctctgggtg ggggtggggct ttctgtgccc 600
ttccttgccg tnacttcann ttgtgcacgg gttgaaan 638

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<210> 1701

<211> 695

<212> DNA

<213> Homo sapiens

<220>

1067

<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (678)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (691)
<223> n equals a,t,g, or c

<400> 1701
ggccctggtg agtgtcctca ccaaggagta tgaggacgcc gtcagcatcg ccacggcagt 60
gcttgctcgtg gtcactgtcg ccttcatcca ggagtacagg tcggagaaat ctctggaaga 120
gctgaccaag ctggttcctc cagaatgtaa ctgcctaaga gaaggaaaac tccagcacct 180
gcttgctcga gaactgggtc ctggtgatgt cgtatctctc tcgatcggag accggatccc 240
tgcagacatc cgactcaactg aggtcacgga cctcttgggtg gatgaatcca gtttcaccgg 300
ggaagccgag ccatgtagta raacagacag ccccttgaca ggcgggtgggg amctcaccac 360
cctcagcaac atcgtcttca tkgggmcct rgtgcagtat gggargggcc arggggtcst 420
gattggaaca ggggaaagct ctcarttcgg araaktgttt aagatgatgc aggctgaaga 480
gacacctaaa actcctttgc agaaaagcat ggacaggcta ggaaagcaac tgacactctt 540
ctcctttggc ataatcgggtc tcatcatgct cattggctgg tcgcaaggga aacaactcct 600
gagtatgttc acgatcgggg tcagcctggc tgtggcggnc atttcanaag ggtctgccca 660
ttcgtcgtca tgggtgacnct ggtcctggga ntgct 695

<210> 1702
<211> 545
<212> DNA
<213> Homo sapiens

<400> 1702
ccgccctgca ggtcgacact agtggatcca aagaattcgg cacaggccag agggaccata 60
gtgttgggca ctgtctgacc atgttgcat tggaaaggcta aatggggcca tgaagaaggc 120
tggaaaggac agggggtgat ggcagcctac ctggtgtccc ctacccacc tgttctcgga 180
gaaccaagtt gctacacagg aagtcttcca aggtccagtt tcctttctcc caccagttgg 240
tggaggcttc agggaaagacc agagtectgg acagagaggg taacaggagg agtcggggat 300
aaacatcaaa catcaatcgt gtgtcctgat ttgggagtga ttggggggat ggggtgggag 360
agggtagtt ggtattctca tggcctgatt ttttttgttt ctattccttt tatatcactg 420
tgtttgaatc gagggggagg ggtggtaacc ggaaataaag acctccgatc ttccgcccc 480
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaa 545

<210> 1703

1068

<211> 1620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1591)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1608)
<223> n equals a,t,g, or c

<400> 1703
aatcggcac gagggaaactc tacctctgca gcgagtgcgg gcgctgcttc acccacagcg 60
cagttncgcc aagcacttga gaggacacgc ctcaagtggg ccctgccgat gcaacgaatg 120
tgrgaagagc ttcagtcgca gggaccacct cgtcaggcat cagagaacac aactggggga 180
gaaaccattc acgtgcccta cctgtggaaa aagcttcagc agaggatatac acttaattag 240
gcatcagagg acccactcag aaaagacctc ctagckagggt ccccatgtga ggagatctgc 300
tttcagccct cacctaagggt aggtgaggaa gaggaaaagc cctcttgtca gcctgggaag 360
accttttcga gggagtctcc ctgacctgct cagatctgac attacctctt cctgcaacta 420
aacacgagcc tgggcagAAC ctctcagcct tctctacgc cttgagggga tgtttcatcc 480
aaagtacaac ctgaattgag gcttctcctt cactggagtg cacctgcctc tacctcatgg 540
gtataaagta ggagaactaa gagacttaag aggtcgtggg tcctatatcg tccaaaaaat 600
aggctgttac atatacctaa gactgctcaa cagcttcaag ttgaaagtgg ccaaggacag 660
ccccttaggt ttgggaagggt acgagcctga aggattctgt ctttactggg gtcaaatctt 720
aaagcacaca gctctggact caagacagga ggtttgctgc ctgatggctt tgcacacatt 780
cacaggataa ctgcatagat ccctcgtctg ctgattcact tcttaccatg cactttcctt 840
tgatgctgag gagaaatgga agtgggagaa aaatctcaag gctgcttcat gtggaccttg 900
tcaagctgct ccctcccccA gcgtcaaatt gttatcagggt gccaaacact gctagaaagg 960
agggcctagt cagaagcctc ttcccatagc agttttgggt ttgtttttta ttttttttc 1020
tattaaaata ctcatgcatt taaccttccc gttattcaac cagtctcttg gttgcatccc 1080
tagcacttct actacaagtg agatggtagt gtttgagtgc ttattgagta aagcataatt 1140
cggtcataat gaaatcgttc acattccctc atatgcacaa gccaccaaac cccttcacac 1200
cccccttcac aggggtcgta tgagtaagggt gatttggaag ctgtcaactt acaaaggcac 1260
tataacaatt acagaatcat gattgccatg ggccacttta tttacatgaa gacaactgga 1320
gaacgactaa gaccaaatta tggaaaataa gaaaaagctg ttgctggcaa gaccatcaag 1380
actgttctga caccctgtcc ccatcatccc tgactgagta ctctgacatc acggaaagtg 1440
ttgaacctgg gaccctgagg aattcaccag gagtaaattg ctttcatgta tttgtgtgtg 1500
ttgctttttc ttacgtggat tttatgttca taggagctag gaaagtagcc tcttctgggtg 1560

1069

ggccccaaca ttcttcttgt ttgcccgttt nagggttccn ttgggagntg gagggcttga 1620

<210> 1704

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 1704

tgcacccgcc	cctgggaaaag	atgctgatag	gtcttgctgg	ctacctgagt	ggatatgatg	60
gtaccttttt	gttccagaag	cctgggggata	aatatgaagc	atcacagcta	catgggaatg	120
aagaaggagt	kaaggcttcc	tgacttgaaa	tgggactgac	tgaaccctgg	ggccacactt	180
aaaccagaaa	tgttatagtt	tagcagccct	ggcgtggtgg	gcagggtgcaa	attaaagggg	240
actttgggtg	gtggagggag	aggggaggat	gattcagacc	cttccccctgt	gggtgttagg	300
attactcagg	aactgagggt	naggggaagaa	gggnagagga	ggttgcaatt	attacaggga	360
tgacatagtt	agaaggcagg	cacgcatttt	tcaccgttng	ccctg		405

<210> 1705

<211> 1592

<212> DNA

<213> Homo sapiens

<400> 1705

aattcggaac	gaggcggaca	gtgagaaggt	caggtgaggg	cggcaaccag	ctccccctgt	60
cccgccctgt	tcatcctccc	attaccaccg	ccccacaca	ctcacacgca	cacttacgca	120
cagatcattg	cagcggatga	gatgggggcta	tgacagaagc	ctcaggctcg	tttctyctc	180
cctcctccag	ccccctcccg	gcttccagcc	cattctcttt	gcagctgggg	ttcctaccct	240
accctactcc	cagctccttt	tccccgcgga	tggagagatg	gactctgctg	cttaccacc	300
cactccccctg	caggggggtg	aggactgatt	cagctactgt	atccccactg	ctgtgactgg	360
aaatgggggt	ggggagtgac	tggctctttc	aaccctgggg	agttgaggaa	aatgtctgct	420
ttcacttcag	ctttcatttg	aatactgtga	tctggttttt	attttgaaat	gtataaaaag	480
caaaccagc	tacaaaggcc	ttttcacctt	tccactttgt	aactaatccc	agtctcttct	540
catcactcct	cctcttacag	tactctgcta	ttcatgctca	tttcatgttc	ttaatcttct	600
ttcctgttta	aaaatttttt	tttggaaaaa	atttgaaatc	atgggtcctt	tttctgctga	660
atatattcta	tatattatat	atatataaat	tatatatata	tatatacata	tatatgtctg	720
gctacctcgt	tttagttttac	tttttttctg	aagccctgga	attctacaag	agagatattt	780
tgagactgaa	acatgtttgt	gcctagactg	gaaagatgcc	cttgggtttg	tccgtcttty	840

1070

```

tgtgttggck tcttcccagc ctccatccgt ccagtgtgcc ccacttccac attctggcta 900
taatttcctt tttctccttg ttcattggga tttgaggacc tatttctaaa tcttaattta 960
tagcacaaat atgtgggagc aatgagagtt gaaccgttgt ttttgttga gatgcagatt 1020
gtgtcttgaa aatgatgatt atatatgcaa attctgccct accctcacc tcttccaagt 1080
tcccccccaa aaaggtcaca cagtgcggct tcctgtggga aacaggagca gagctggcct 1140
gcagagcccc tggggctgtg atgaagctca tatcttatct ctgttctatt aacaaaatgg 1200
gagtttgtgg gttttaaaaa attccgtttc taaatggagg aatagatgac tttctttctt 1260
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cgtttgattt ttgttgttat ttcttttaga cctctcacag caacatgcaa gaccatggag 1380
ttaaagaaac ccagagacct ttatcaatta attgtactgt ttgtgaattt gtataaataa 1440
taacaaagat cctcttaaaa cgtttatatt cttacagtaa aaggttaaac tgatatttat 1500
ataataaaaag aggaaatatg aagtatgttt ttgaaaaaaa aaaaaaaaaa caaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1592

```

<210> 1706

<211> 1442

<212> DNA

<213> Homo sapiens

<400> 1706

```

aaaaaaaaactc tctaatacagt tgtacacaca ttgaaactta tagccatggc cagattttat 60
gctaaaaaatg gtagtttgtc aaagacaaaa ttctcttaga atctaatacca acttgccagc 120
cctgagaaaaa tccctttttaa ggccaaggaa agctgaatgc tagcagccag gcctgtggta 180
cttccatgag aaaccatagc agacaatgcc ctcccaagta ctgaaatcac actggaatcc 240
cccttggttg gttcatttga ttgtttaaca caggatgtgt tgtgtcattc tgaagttttt 300
atttggggca gaagtcttta tggagatgta aatgacagcg tttctgggtt atgcataact 360
tctcactggt cagagacacc ggtgtgtcaa gcatggatat tgcattgcaa gacttgaatc 420
tataaaaaatt agaatacacac agtcagtact acaagcaaaa cagagaacct gaaagaaggt 480
gcacagactg taagaaaaaa cccaagtttg tgatatttca gtgattccaa agaacattct 540
agggtttttt tttgtttttt tgttttttgg gttttttttt tttactgcag aaaattgggtg 600
gtattttcac attcatagtg tttctatcca atttcagtac ccacatttaa tgaggaaaaa 660
atgttttacc aatgaaggag gaattcttaa attagctgta atgttaggtt ggagaaaaat 720
tggtatttag ggtattttca aggtaccatc aaatcagatt tctgtttttt tgttaaaaaa 780
aattttttta atcagtattg tttttacaag taatataact tgaaactctt gaactaatag 840
tctcaaaaac tctagaggac agtctgagaa cacgtatttc tattgttcta aataaatata 900
tgtttttgaa tagttcaatc atgaattatt gactatgtct tcatcaaaaag tgttaatccc 960
tctcagggtc tctggtgaag accttcaaga gtttgggttt ttctcccagg aaattggaag 1020
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atztatgcca agtccttaca gagtttatac ttgaatagta aatatgtctt ctgagtttta 1140
cagtgtctta aactcaatgc acattttttt ttcttctttt tccacccctt ctgttttgta 1200
gttcattata cctgtcctat tacagaactg atttcccttc tggctgtaca tgttgggggtg 1260
ctggattttt ttccgtgtct ttagtcttcc ataaatccac acacacacac acacacaaaa 1320
aatatatata tatataaata tatatgtagg atacatgttc tcttcttttag cttgtgggtga 1380
atacagtaat ttgcattgaa gaataaaaca tctgttgcct tttttgacta aaaaaaaaaa 1440
aa 1442

```

<210> 1707

<211> 808

<212> DNA

<213> Homo sapiens

1071

<400> 1707

```
gtttcagggtc tttgtgtgtg gctttcttaa agccctgttg taaaaaatta ctatgtggat 60
ggcagtcctct cacatcacag atgtggaaag tataatttta ttttgtatt ttcaaataaa 120
taagtttgtg aaagggtttcc atcctctact gtggtccaga aagatgcttg agatatatat 180
atakatagat acatatatat gtatatatat aaaaaaata ctactacaa aagttccaga 240
gcctccctcg aaggttctct actactgtat tctgtacata atgtaccatc ccatgtggaa 300
tctgtgagtg tctctttaag tagcgtgggc tagccaatct gccgttcatt gtgtattgta 360
aactccgaat tccatatgta ataggatgca agtctaagcg tttcatgtgg acataaatgt 420
atctaaataa aactttccct agcactgtgg ctgacctcac ccttactttt atactttagt 480
atgaaactga tgagaacttt ggtagtgagt atttttttta tatatataca tatatatgta 540
ctatctatat atatatctca agcatctttc aggtctttgt gtgtgggcttt cttaaagccc 600
tggtgtaaaa aattactatg tggatggcag tctctcacat cacagatgtg gaaagtataa 660
ttttatatatt gtattttcaa ataaataagt ttgtgaaagg tttccatcct ctactgtggt 720
ccagaaatca atgtgtttgt ctgacaaaaa aaaaaataaa ataaaaataaa ctgttttgaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 808
```

<210> 1708

<211> 1055

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (996)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1010)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1025)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1030)

<223> n equals a,t,g, or c

<400> 1708

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gataaatcta tcaagaataa agcagaacgg gaaaggcgag tcagggagtt aaacagcagc 60
aacactaaaa agtttctgga agaaagaaag agacttgcca tgaagcagtc caaagaaatg 120
gatcagttga aaaaagtcca gcttgaacat ctagaattcc tagagaaaca gaatgagcag 180
cttttgaaat cctgtcatgc agtgtcccaa acgcaaggcg aaggagatgc agcagatggt 240
gaaattggaa gccgagatgg accgcagacc agcaacagta gtatgaaact ccaaaatgca 300
aactgaagca gcaaaccac aaagcatcaa aagactcact cacaaacttc tgaacacaaa 360
ctccatggat gaaagctgtt tttttgttt cttttatgtg taaacaagat gatattctgaa 420
accagagaga cttggaatgt ctgactgact tctatttaac agcttgagta ttgcatttcc 480
ttggccaaac aaaaatagct acaaatccac aaaaatttac tattccagta aggcagagtc 540
```


1072

```
caaccattga taatacaact taaacatggt tgctataaaa taccatcaca agtaaatgag 600
cttggtgtga acaactctcc tttgtgatgc cttaggacat gtttgaactg cagcaaaaaa 660
caaaaacaaa aaacagtgc ttagcaatct catagcaagt gcatgcacta ggaaaagaaa 720
actctgtcta caagtttatt agcagaagtg gtggtctgct agacaaataa ttttgcaaaa 780
tttttctaca tctaagttac ctcatcagta agtgccatgt ctctaccatg ccatcagagg 840
ctaatttcct gtaaaagtgt tggaaattgt tagamcaata gaaaaataga gcagtgtatg 900
tgtgccaaac tcatcattac tcaagggaga ctgtgttagg acattaagaa gttacactgr 960
catgctttat aggattgttc tgcmgttccg gtattntatt ccacctaagn tttgagtggg 1020
attgnaacgn tgtaatgtgc ccagataagg ttatc 1055
```

<210> 1709

<211> 1044

<212> DNA

<213> Homo sapiens

<400> 1709

```
aaaaatcttc tagaggaaat actcaagcaa ctagtcattc ttttgatgtc agagtgtctaa 60
cgcagttgct cctgaattca gaccacagat ccacagccac agtccagata tgtagcgggt 120
ctgtaaacct taagggtgct gtgaaatgca gagcttataat ccacagcagt aaacccaaag 180
ttaaagatgc tgtgcaggca gtaaagaggg atatatgtga cacagttgct gatcggtgtg 240
aatgctatt tgaggatctg cttttgaatg aaattccaga aaaaaaagrt tctgaaaaag 300
agttccacgt cctcccttat cgagtccttg ttccctcttc tggatccact gtaatgttgt 360
gtgattataa atttgacgat gagtcagctg aagaaatcag ggaccatttt atggagatgt 420
tggatcacac aattcaaata gaagatttgg aaattgcaga ggaaacaaac acagcttgta 480
tgagttcttc tatgaatagt caagcttcat tggacaacac agatgatgaa caacccaaac 540
aaccaattaa aactacaatg ttattgaaaa ttcagcaaaa cataggtgtg attgcagcat 600
ttacagttgc agtccttgct gcgggtatct cttttcatta ctccagtgat taggggtgagg 660
cacaaagagt ttcttgatca tccagagaac attgacagac aattatgaat aataaagatg 720
ttaacaatcc atctgtatct aaaacactag cagccagatc tgctgccatg atgcctatct 780
ggtgtgtttc tgattaaaaa gaaatcacia gctgccttgt ttagcctgct ttacattgta 840
ggtggcccg c atttccagaa ataacgttat gcatctagat ggaagctgca tgtaacaaat 900
cattattatc tattttttaa agcttcaaaa tgatgggata tgatcataga ttttagtctt 960
actaatctga atcacatatt aatcaggaca ttaaaaactt taacagagggc atgatggctc 1020
acacgggtata atcctaattgc tttg 1044
```

<210> 1710

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (863)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (883)

<223> n equals a,t,g, or c

<220>

1073

<221> misc feature

<222> (889)

<223> n equals a,t,g, or c

<400> 1710

```
aattcggctt cgagcggccg cccgggcagg tgttctaaag ggggatggcc aaggggtgac 60
atcttaattc ctaaactacc ttagctgcat agtggaagag gagagcatga agcaaagaat 120
tccaggaaac ccaagaggct gagaattctt ttgtctacca tagaattatt atccagactg 180
gaatTTTTgt ttgttagaac acccttcagt tgcaatatgc taatccact ttacaaagaa 240
tataaaagct atatTTTtgaa gacttgagtt atttcagaaa aaactacagc cTTTTTgtc 300
ttacctgcct tttactttcg tgtggatatg tgaagcattg ggtcgggaac tagctgtaga 360
acacaactaa aaactcatgt cTTTTTcac agaataatgt gccagTTTTt tgtagcaatg 420
ttatTTTctct tggaagcaga aatgctTTTgt accagagcac ctccaaactg cattgaggag 480
aagttccaga accatccccct ttttccattt ttatataatt tataaagaaa gattaaagcc 540
atgTTgacta ttttacagcc actggagtta actaacctt ccttgtatct gtcttccag 600
gagagaatga agcaaaacag gaatttgggtt ttctTTTgat gtccagttac accatccatt 660
ctgTTaattt tgaaaaaata taccctccct ttagtttgtt gggggatata aattattctc 720
aggaagaata taatgaactg tacagttact ttgacctatt aaaaagggtg taccagtaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aangggcggc cgttttaaag ganccaagnt tactt 895
```

<210> 1711

<211> 1614

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1614)

<223> n equals a,t,g, or c

1074

<400> 1711

```
tggggatgaa aggatctctg agaccacaga ggctcagact cactgttaag aatagaaaac 60
tgggtatgcg ttatcatgtag ccagcagaac tgaagtgtgc tgtgacaagc caatgtgaat 120
ttctaccaa tagtagagca taccacttga agaaggaaag aaccgaagag caaacaaaag 180
ttctgcgtaa tgagactcac cttttctcgc tgaaagcact aagaggtggg aggaggcctg 240
cacaggctgg aggaggggtt gggcagagcg aagaccggc caggaccttg gtgagatggr 300
gtgccgcccc cctcctgctg atactcttgg agagtgtgtc cccagggggg ctncctgscac 360
nctggnagaa ggaagctgcc tgggtgtggag tgactcaaat cagtatacct atctgctgca 420
ccttctactc ccagggtaca tgctttaaaa ccgaccgcga acaagtattg gaaaaatgta 480
tccagtctga agatgtttgt gtatctgttt acatccagag ttctgtgaca catgcccccc 540
agattgctgc aaagatccca aggcattgat tgcacttgat taagcttttg tctgtagggtg 600
aaagaacaag tttaggtcga ggactggccc ctaggctgct gctgtgacct ttgtcccatg 660
tggcttgttt gcctgtccgg gactcttcga tgtgcccagg ggagcgtgtt cctgtctctt 720
ccatgccgtc ctgcagtcct tatctgctcg cctgagggaa gagtagctgt agctacaagg 780
gaagcctgcc tgggaagagc gagcacctgt gcccatggct tctgggtcatg aaacgagtta 840
atgatggcag aggagcttcc tccccacttc gcagcgccac attatccatc ctctgagata 900
agtaggctgg ttaaccatt ggaatggacc tttcagtggg aaccctgaga gtctgagAAC 960
ccccagacca acccttccct ccctttcccc acctcttaca gtgtttggac aggaggggtat 1020
ggtgctgctc tgtgtagcaa gtactttggc ttatgaaaga ggcagccacg cattttgcac 1080
taggaagaat cagtaatcac ttttcagaag acttctatgg accacaaata tattacggag 1140
gaacagattt tgctaagaca taatctagtt ttataactca atcatgaatg aaccatgtgt 1200
ggcaaacttg cagtttaaag ggggcccatc agtgaaagaa actgattttt tttaacggac 1260
tgcttttagt taaattgaag aaagtcagct cttgtcaaaa ggtctaaact ttcccgctc 1320
aatcctaaaa gcatgtcaac aatccacatc agatgccata aatatgaact gcaggataaa 1380
atggtacaat cttagtgaat gggaattgga atcaaaagag tttgctgtcc ttcttagaat 1440
gttctaaaat gtcaaggcag ttgcttgtgt ttaactgtga acaataaaaa atttattgtt 1500
ttgcactaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangggg ggggn 1614
```

<210> 1712

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 1712

```
aattcggcac gagtagatat gaagatacca ccaccaccac caccgctatc catacctagc 60
```

1075

```

ctaaagatgt agagccctct gctggggctg aggaggagct gtgggggtgct ttctaagtag 120
actttccacc agcccgctctg gtttgtctag tcccattttc accccacatc cagagttact 180
attattacca actcctgagc atttgcagga ttctgtagta tgaattggga tgcttcttgg 240
ctttccctac agccagctta gaattgtgct ttctcaggtc tactaagttc aataccatcc 300
ttcagcctgc tctccagttt ccaacatggt actgttaagg ctttttcctt ctttttctat 360
cattgtgagt atgtgccctt tgaaaaccct tttgctgtca tttttgtggg atttggtgaa 420
gaagcagtgg taaatgcatg tattattctg tcactctaagt gttcaatgtt agctcttctc 480
ataagtgggg atgttaggnc tcagttgctt tctctgntga aatgaggngg 530

```

<210> 1713

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (724)

<223> n equals a,t,g, or c

<400> 1713

```

gagaattgag gttgcaaggc tggctaactc agctttgcct tcacgagccc tagaggccag 60
ccgaagatgt tctgcaggtc agggagacag gaccaggtaa ccagctgty actgaagatt 120
atatagagtt tgagaatggt ggaatatttg aaaatgctcc ccaaaaaaag ctgctgatga 180
gttctggaaa tgtcaggaga ttaatctata cggacactgc tgaagaaaaa ggtagaagaa 240
taaaagatcc agtacttctt cctgggtaag cagttatgac cagagatgga accggcaact 300
ctttggccag aaagctgtat ccaaaagaca gagaagatga gaaacagggg gggcaaaggc 360
gaaaaagcaa ttggacatga tagctagatt tgtttcagga aaacatcctg ctttccaagg 420
atttagatga atgtttttgt tctactggtga ctccaggtaac acgtcttnca agaagccata 480
ggggagggtt gagggaggga agtcaagaag ggagggttag gactgcactt ttgatttact 540
tctgacttca cgagtcactt tctggccaaa gnaaatctct ctttttgctt ctagcaccga 600
ctagatttcc cttcagcctt gatgnatttg gactccccag aaattccgaa aagaaaactg 660
agttccccac aaaagctctt gttctgatcc tgggagcttc gccagcccca gttccaatta 720
atcnttcc 728

```

<210> 1714

<211> 1595

1076

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1592)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1595)

<223> n equals a,t,g, or c

<400> 1714

```

ggcacgagga aagctccaca cacacagccc agcaaacagc agcacgctgc tgaaaaaaag 60
actcagagga gagagataag gaaggaaagt agtgatggat ctcatcccaa acttggccgt 120
ggaaaacctgg cttctcctgg ctgtcagcct gatactcctc tatctatatg gaacccgtac 180
acatggacttt tttaagaagc ttggaattcc agggcccaca cctctgcctt ttttgggaaa 240
tgctttgtcc ttccgtaagg ctattggacg tttgacatgg aatgttataa aaagtataga 300
aaagtctggg gtatttatga ctgtcaacag cctatgctgg ctatcacaga tcccgacatg 360
atcaaaacag tgctagtgaag agaattgttat tctgtcttca caaacccggag kccttttcggg 420
ccagtgggat ttatgaaaaa tgccatctct atagctgagg atgaagaatg gaagagaata 480
cgrtcattgc tgtctccaac cttcaccagc ggaaaactca aggagatgtt ccccatcatt 540
gcccagtatg gagatgtrtt ggtgagaawc ttgaggcggg aagcagagaa aggcaagcct 600
gtcaccttga aagacrtctt tggggcctac agcatggatg tgatyactrg cacatcattt 660
ggagtgarca tcgactctct caacaatcca caagaccctt ttgtggagag cactaagaag 720
ttcctaaaaat ttggtttctt agatccatta tttctctcaa taatactctt tccattcctt 780
accccgagttt ttgaagcatt aaatgtctct ctgtttccaa aagataccat aaatttttta 840
agtaaatctg taaacagaat gaagaaaagt cgcctyaacg acaaacaaaa ggtaaaatct 900
gatgggtggtt aaatgacgat gtttaggttt tgataaattt agattttata cacatgatag 960
agcatgtatc tgtattttta aaaataaaga cagagaactt atgttttagaa caagagaagc 1020
catttggttag aaataaagaa ggagattggg gaaggagatg agaatgagtc agagagatag 1080
catttaaaaac ttgaaatcag gcacaacaat tagtatgtca tgatataaac agtattgaga 1140
taaaattttta ccacttctct tycctttaat aaattgtcaa aggataaagt ttcctgtttg 1200
aaaaatatatt ttactgggat tgtgctttcc tcatatcaca gattggtaaa gaatcatttt 1260
aagtccaaga ctcttatttt acatattctg caattaaagg tcctatgagg ctacctgccg 1320
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cttctctgag aattgagggt gcaaggctgg ctaactcagc tttgccttca cgagccctag 1440
aggccagccg aagatgtctg caggtcaggg agacaggacm aggtaaccca rctgtcactg 1500
aagattatat agagtttgag aatgttggaa tatttgaaaa tgctcccca aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anggn 1595

```

<210> 1715

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

1077

<400> 1715

```

aaagtagggg cccgaattcc cgggtcgacc caccgcgtccg cttgctagtg tccccgatg 60
catgaaggat ccccccatgt cataggtccc acctgcctgc tgtgcatccc gggtagccag 120
actcggcttc tccaggtgca cttgtcccag gtggccccgt cgtangctg raagggcagc 180
tgcaggtgca ctgcctcgcg gacaggttag gatatggcca cgcagccatc catcttctac 240
agcacgcaca cccactctc tccccagtc aatatgtctc tctccgatgg gaaagttaat 300
aaattttgct ctagattaaa agtattgaty atttcatttg taaacgataa ataaaaaggg 360
ggaacttttc attgcgccag ggggtggcacc tggcgtgtgt tgcgggggtg attgcgctgg 420
ctgccggggg gtgggcttct catatgcatt ctggccggcc agctgcattg atttcctatt 480
agtctcccag caccacccag taacacatca tttcagtacc tgctattaat ggtcttttga 540
taaataatca cttgtaagtc aataaatatt tattaaacag taaaaaaaaa a 591

```

<210> 1716

<211> 1974

<212> DNA

<213> Homo sapiens

<400> 1716

```

tacttttatc tttcaaaaca aattcactaa aaataacacc tattgatttt gaagtcactt 60
ttctcaaac tggaaaatga gctctaggat ctctataaac atttctaaca cttttcctgt 120
agtttatata gacagacatc tgttggttaga cctgtgtgtt tttaaagaat catatgttaa 180
caaataccca tgcaaagagc ttcaaaaagt gaaaccgtgt taaaggaaca caatttttct 240
cactcagaca tatttgttta ttgaattgca aagttttatt ttaaatcagc atttcccca 300
agaatatatc atatgacgct agttccaagg ggcttgactg agtggtgttt tgctgggggg 360
agacaggggt ttgttaatac actttactaa atactgagct gaaaaatgtt aaatagattt 420
cacgattgcc tccttgaaga ttttaaagtt catttgtggt cttcaaggcg aaatccgggtg 480
aaccattcct cacacttacc tacaggactc ttttctaatt gagcatcttg tgaagctagt 540
gggttttttt gtgtgtgtta tttgtttttt ttttttaatt ctttagaaaa cacagcttta 600
ggatattgac tttttgttta tttctatttt caaatgctga aaagtcaagt cccagtttga 660
ataccataga aaagctttga tgcatttgta aattatattg cactctttca ctatataatt 720
tcaaaatcac tggaatgttg ttatacaaga gaattataat tgtgtattgt aaataacata 780
ttaaaataca tatattaatg ccaatagtta aattcaacaa tatgtaatct aaggtgctcg 840
gttctacatg aagtatgagt taactgctca taattaagtt gccaaagattc tattatata 900
ttatagacaa attaaaatga tcataattac aaatatgrtt tctttatcac ttaagctttg 960
ggctgattaa tatctgtgtg ggggtcaatg gaaactacat tctctacatt tataaacatt 1020
aatttaatta tttatatttt aggaaaaatat atttgaataa aattaatgca ttttctagag 1080
taaattaaaa tgttatttagc aagaaataga aaatttgact aagataattg tgtatatgaa 1140
tcatttttcc cccaagttaa aatgtatcat aatagagagg ctctaataa tcaattttcca 1200
atactcattt ctttcttatt ttgaattcaa gttacaatga ctttactact tagattttta 1260
tcttgctga tgtgtgctgg tgtgtatgac acaaaactcat aagtctggat catgcttggg 1320
tacagtcaat gaatcaaccg agtcactttg aggaatttgt tttgtccaa tttgctctgt 1380
gctcaatccc atgaattatt aaatttacaa tgtttgtccc caaatgaaaa ccaatataaa 1440
tgaatgatgt tttaatctgt actttatggg aagttgccta tttgtcagta gatgtgggta 1500
agtgagtcct ctgggtgcagt gacatccttt taagccatct catagggatt taaagaaggc 1560
caataggaat atagatatgt gtttttcttt ctctgacttg aactaagtag gagaaaccaa 1620
accataaac tattacaaac taccaggca gaggcattta ctttaattcat caactagtgc 1680
aattaaaacc ctgaaaacac atgatccttg ttgactctgc ttggttgaag caggaaagaa 1740
tggtcttgat ggtagaaaag ttttaaaatt aatggkcagg gcctttcttg accctgtttt 1800
ccaaacacgt tagatattcc gtcttgaggg gattggagta ggctacagtg agggggtaat 1860
ttttggatgt atctggactt ttaaaaaatg tgcctatatt tatagacca tgaatattat 1920

```

1078

gtaaaatttta tatatgaatt aaataaatat tcmctctga aaaaaaaaaa aaaa 1974

<210> 1717

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 1717

```
cganacntcc tcaactaaagg gancaaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc ttctttctcc cgcgttctct 120
tgtactgtgc attcctcatc aacgatggct tctcggactc cacgaaactg cgctgtactg 180
aagggcgaag tggatctgac cgcactggcc aaagagcttc gagcagtgga agatgtacgg 240
ccacctcaca aagtaacgga ctactcctca tccagtgagg agtcggggac gacggatgag 300
gaggacgacg atgtggagca ggaaggggct gacgagtcca cctcaggacc agaggacacc 360
agagcagcgt catctctgaa tttgagcaat ggtgaaacgg aatctgtgaa aaccatgatt 420
gtccatgatg atgtagaaag tgagccggca tgaccccaty caaaggaggg cactyttaat 480
cgkccgscag accccagatt actacagatt tctccatcta gcgggaacaa cagtgcacatc 540
tgtggggggg attttcctg                                     559
```

<210> 1718

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1079

<222> (831)

<223> n equals a,t,g, or c

<400> 1718

```
tgtgtaatat gttctgtgtg agcctctgca tttaaactcga tttcttgggc aattatggaa 60
attccagtgt ggctgcagtt taactttgca ctctctatgc atatgagggt tcctaaataa 120
atgaggagta gcatagttta aaatatatat atcttataac tttctacaac aaagaattat 180
tgagtccaaa tgtcatcagt gtcatttttg agataccctg ctatcgatgg tcgctacaaa 240
ccaggaaaata ctcaagttat tatgtgtata cattgggtttt agttttatga aacaattttac 300
cttcatgatc tcatagttaa aattgtaata aatttaggaa tataaaggat caatatggga 360
agcaaaaattt ctaaaggcag tttctgttgt tttaattagt atttgtgtag ttcaaaccag 420
gaaggattttg actatcatta gattttgtct aactttatga aagctaaaat attctctgtt 480
ataaaggggc aactccatct ggtcctatag catctttact actgattttt ttttktttta 540
tttgaaaatg caaagaattg ttaaatgttc ttaaatgttc tctactacaaa aaaagaaaaa 600
agataactac gtgagggtgat ggatatgtta attagctgga ttgtggtaat cattttggaa 660
tgtatatgta tatcaaaaca tgtagtacac cctaaatata tataattttt atttgtcaaa 720
tatacctcaa taaagatgga aaaaaatcga aaaaaaaaaa aaaaaaaaaa aaaaaanaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naac 834
```

<210> 1719

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1719

```
gaaaaaagaa aaattgaaga acataacttt tctacttatg aaatagataa ttttttaaaa 60
ttgttttaaac tcttggaat taagtgttat tttttattac tgcagttgag agataccttt 120
tcagaggaaa acaagaggct aaattccatg ttaagagcta agtagtattt ttttcttaac 180
aattttgcc aattttcttc tactggacca aaaggaaata aatctacaat aaatctactt 240
tctaaatatt atttaagatg ggaaatgtct tttataggta tattctgtat aataccctta 300
attagatgaa ttatccctta tcattccaaa aatgaaatgc tgtgttaaat atctccaggg 360
caaagtggta tgttgactgg gacaaacgtt agaaattgta ttgttcattg cacttgtttgc 420
cctgttcccc aagcttgtca atgttttagag atactattcg ggttgctaaa gccattattc 480
atagaaaatt tctgccccta cagaagtgtg tgcattgggc ttggaaaatc tacatgtgta 540
tatctgagta gcgaagcaca gattcactct aattgaaagc agcagtttgg ttttgtaaat 600
gtaattgcaa ttgacacttt cttttccctt tcagttatta ttttttttaa aggacgttat 660
gagaaggcac tatgaaaagc ctaattggaa tagcattatg aaccatgtaa tgcattgcca 720
tgcacactgt gatttgcaaa catatgtccg ctcttcaata aatgttacgg ctttccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaa 806
```

<210> 1720

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

1080

<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<400> 1720
gccagatcta tttgcacatc gagaggttcc tctgtccctg catgggctca gtgaccttat 60
cccacctcac tcccaattcc aggtagttga gcaggatgag gctgctccca gcccactgcc 120
acatccagat tcagctgctg agtttatccc acaggaaaga ggtagcactg acagcgtgca 180
cgctgtggg tgacgcatga tcctcaggag cagttcacca tgcgctgagc agggccagta 240
ggaggcagct gtggaaggcc aggtacagca gcttcatggt caccaaataa gcctgacact 300
caagcagaca gcagccaccc ccatgcagcc tcagctgcag ggcccagggt ttgctggcta 360
cggcaggagc agcttcagtc atacgtnttg cacaggcacc catctgcctg aaccctgata 420
cctgtgtnan gcaaaaaatg ttattttaga aaaaaaggga aggttttttt aatactgacc 480
taacttttng ttttattaaa ctnaa 505

<210> 1721
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>

1081

<221> misc feature
<222> (637)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<400> 1721
gagntcagcc tcactaangg aacaaaagct ggagctccac cgcgggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagg tccggcgggc cgcgcctccc 120
gcaggccccag aagacggccg ccttgccccg gacccgcggc gccggcctct tggagtcgga 180
gcttcgcgac ggcagcggca agaaggtagc agtagctgat gtgcagtttg gcccacatgag 240
atttcatcaa gatcaacttc aggtactttt agtgtttacc aaagaagata accaatgtaa 300
tggattctgc agggcatgtg aaaaagcagg gtttaagtgt acagttacca aggaggctca 360
ggctgtcctt gcctgkttcc tggacaaaca tcatgacatt atcatcatag accacagaaa 420
tcctcgacag ctggatgcag aggcactgtg caggtctatc agatcatcaa aactctcaga 480
aaacacagtt attgttgggt tagtacgcan ggtggataga gaagagttgt ccgtaatgcc 540
tttcatttct gctggattta caaggaggta tgtagaaaac cccaacatca tggcctgcta 600
caatgaactg ctccagctgg agtttggaga ggggtgcnatc acaactgana ctcanggctt 660
gttacttaag tattcactg 679

<210> 1722
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)

1082

<223> n equals a,t,g, or c

<400> 1722

```

gcggackcgt gggaccgagc ttggtaagca gaatagaaaa catccagaat gacatcagtc 60
tggttaagctt tgaaggaaac aaccaaagat ggtcaacaca actgcttggt cttttattta 120
ccatttcaca cctggtgcag tcaggaagct acatttaaaa aacaattttc tctttaaaaa 180
gaaaaacaac ccgtagtcaa aaaagcactc atttgccata aagctggaag gattcattca 240
ttggagctga ttgttcacat ttgtagaatt tagaattttg tggttggaag gggccttaga 300
gttgaataag gtcttcaaaa ggaaacaaaa ggctcttgct ttctgtatga acagagttta 360
ttcacaagtc agttttccgt gatctatgag gagtgatttc agacaattag ctaattgggt 420
gaggcaggtg acctatcagc tctgkararg ggatgkttgc tcttagggat ctacmtaaag 480
aacatatctt acacttityca tgacagtcaa aagcagcccc attaatcctn ctatgkaatg 540
gccagtcata accacagatg angagtgcac ttcatgaaaa cccttaacag ctgtnaacag 600
ttgatcactg gcnccatta                                     619

```

<210> 1723

<211> 852

<212> DNA

<213> Homo sapiens

<400> 1723

```

ggttactttc ctgcgattat aattcttccct tgactttggt cacttttagat gttttactag 60
tgagttttga tgactccac cccttatgtg agaatgtgca tactttggaa acttgaattt 120
atccaaacaa gctacctatg acttagagtt tgggcataag ttttaaattc aatgctcaag 180
tcgaactgga tctggtccag gccactcca aggggtggtt caggggtggt ttttcagkac 240
ttgtcccgaga ccacacaggt agscttgktt ctgarggcag ctttatgggr aggtgtagaa 300
gggtggtgggc agcaaagtc ctgcagagtc attttcttgg gtatggtggt taagaagcct 360
gagattttca caagaaccag caaaaccagg agtggagagt tggggagata gagaagtagg 420
cctaaaactc cctcttcttg agtctttttt gacttaatac accattgggt ctgtcctggt 480
gctatggcct atcacaaagg actgttttaa gagagaagca agccacagcc ttgccagata 540
agtctccaac accagcagaa aagcacggac cctgatctgt gggaggcaag ggtctcccat 600
tatttctgga ggcaaaggt gccttctagt gaaatggtgc caccatttgc tgatgggggt 660
gcctgttctc aggatgtgtg gaaactcagg cctgaggggt tctacatggt ttattcaatc 720
taactgcata cctagcttgg cagaatggag gtggacaaaa gtgctgaaag gatgagggta 780
ggcttttagg gcaaatacag tcacaaagca gatgattgag ggagggtaca aagcttaggc 840
agagttaaag tt                                     852

```

<210> 1724

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1724

```

catcagaccg accagcccaa gaaacatctc accaatttca aatctggcac ccaactggaaa 60
tcagactgcc cagctcgccc gacagccact cctggagccc cttaaagctct agcccaaggc 120
tctctgactc cttcccagat ctattcggtt tagcgactga agattgacgc tgcccgatcg 180
cctcggaaagt cccctggacc atcacagaag ccgagcttcg ggtaactctc acagtggagg 240
gtaagtccat cccctgttta atcgatacgg gggctaccca ctccacgttg ccttcttttc 300
aagggcctgt ttcccttgcc ccataactg ttgtgggtat tgacggccaa gcttcaaaac 360
ccctgaaaaa tccccactc tgggtccaac ttggacaaca ctcttttatg cactcttttt 420
tagttatccc cacctgcccc cttcccttat taggccgaaa tattttaacc aaattatctg 480

```

1083

cttccctgac tattcctgga gtacagctac atctcattgc tgcccttctt cccaatccaa 540
agcctccttt gtgtcctcta acatccccac aatatcacc cttaccacaa gacctcctt 600
cagettaatc tctcccactc taggttccca cgccgccctt aatcccactt gaagcagccc 660
tgagaaacat cgtccattct ctctccatac caccccc 697

<210> 1725

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 1725

ctgtgaggtg aggcaggtgt ctagattccc tactcagctt acattaagtc caaaatgtgg 60
ggacgtcttt tattactgcc tgggtgggat ggaagtccat tgacactgct gggagaagga 120
ggttcatgct ggccagttgg gatgaaagtc ttagctcccc acttgggtctt ccctgacacc 180
actgcagtgg ggtgttgggg tgccccctta cagccttttg agtgtgggat tctaggatcc 240
ccacttgacc ttccctgggt tgggcagagg ttttttcttt ggtgtctgtt gggagtagag 300
cagctgtcat ctaaaagttt tctgtcttgc tgggacgtcc tgttctggtc ctttagctag 360
agagagcatt cttttgttag tactttttwt gctgtgtctg ttggcattty catgttgcgtg 420
gctttttcaa ctncaaactct gggatatatg ntgtaaaaag aaaaccca 468

<210> 1726

<211> 482

<212> DNA

<213> Homo sapiens

<400> 1726

gattgaggcc aaagttataa agatgggctc tcgatctact aatattagta aaatggggtt 60
gggacttact aacatttgtg cttagaagag acagacctgg caaagagctt ggagaagtga 120
gttccaaaga gagaggtgtg ggaaccagga tggaagagtc aggcctccag atagcgttta 180
cttctccttt cttccttgaa tcaactgtct asagataatt aggttcagaa gaggaggaaa 240
aaaaagatga ccgtcaacat ggagcagagt ttttcttaga ccttagccta gcaaggaaa 300
agaaatgcct ggtctcagtg ctgggaagct gttycagcca gagccccgtg gctgtgaaga 360
gagctctcct gyctggagcc aaacagaaaag ctcatagggtc ttgaggccag aaaagttagt 420
aggtggcggc tctggtcggt gctggaaatg gaggccagga tgaactaaga agcaaactaa 480
ag 482

<210> 1727

<211> 1897

<212> DNA

<213> Homo sapiens

1084

<220>

<221> misc feature

<222> (1202)

<223> n equals a,t,g, or c

<400> 1727

```
gctgctgcag cagcagctgc tctgcagagt ggtggccggg gccagggccg ggggtgccctc 60
cctccccact tctcccgcca tgagccaggg aagtccgggg gactggggccc ccctagatcc 120
cacccccgga cccccagcat cccccaaccc ctctcgtgcat gagttacatc tctctcgcct 180
ccagaggggtt aagttctgcc tcctgggggc attgctggcc cccatccgag tgcttctggc 240
ctttatcgtc ctctttctcc tctggccctt tgccctggctt caagtggccg gtcttagtga 300
ggagcagctt caggagccaa ttacaggatg gaggaagact gtgtgccaca acgggggtgct 360
aggcctgagc cgcctgctgt ttttcctgct gggttctctc cggattcgcg ttcgtggcca 420
gcgagcctct cgccttcaag cccctgtcct tggttctgct ccacactcca ctttctttga 480
ccccattgtt ctgctgccc tggacctgcc caaagttgtg tcccagactg agaacctttc 540
cgttcctgtc attggagccc ttcttcgatt caaccaagcc atcctgggat cccggcatga 600
cccggcttct cgacgcagag tgggtggagga ggtccgaagc gggccacctc aggaggcaag 660
tgggccgcagt gctattcttt cctgagggca cctgttccaa caagaaggct ttgcttaagt 720
tcaaaccagg agccttcatc gcaggggtgc ctgtgcagcc tgtcctcatc cgtaccccca 780
acagtctgga caccaccagc tgggcatgga ggggtcctgg agtactcaaa gtccctctggc 840
tcacagcctc tcagccctgc agcattgtgg atgtggagtt ccttctctgtg tatcacccca 900
gccctgagga gagcagggac cccaccctct atgccaaaca tgttcagagg gtcatggcac 960
aggctctggg cattccagcc accgaatgtg agttttagtg gagcttacct gtgattgtgg 1020
tgggcccggc gaagggtggc ttggaaccac agctctggga actgggaaaa gtgcttcgga 1080
aggctgggct gtccgctggc tatgtggacg ctggggcaga gccaggcccg agtcgaatga 1140
tcagccagga agagtttgcc aggcagctac agctctctga tcctcagacg gtggctgggtg 1200
cntttggcta cttccagcag gataccaagg gtttgggtgga cttccgagat gtggcccttg 1260
cactagcagy tctggatggg ggcaggagcc tggaagagct aactcgtctg gcctttgagc 1320
tctttgctga agagcaagca gaggggtcca accgcctgct gtacaaagac ggcttcagca 1380
ccatcctgca cctgctgctg ggttcacccc accctgctgc cacagctttg catgctgagc 1440
tgtgccaggc aggatccagc caaggcctct ccctctgtca gttccagaac ttctccctcc 1500
atgacccact ctatgggaaa ctcttcagca cctacctgcg cccccacac acctctcgag 1560
gcacctccca gacaccaa at gcctcatccc caggcaaccc cactgctctg gccaatggga 1620
ctgtgcaagc acccaagcag aaggggagact gagtgccctc gcctctcacc ccctcctcct 1680
cagggcagcg ctaggggcct cccctatgcc tcagccccat ctctgctcct gtttgaattt 1740
tgttattgtt gtttggttgt tgttttttta agttgatttt aattttttgt ttggttgatt 1800
tttttgtaaa aaactatttt atatataaat ataaatctat atctatatct attaaaaaaa 1860
atgaagtcca aaaaaaaaaa aaaaaaaaaa aaaaaaa 1897
```

<210> 1728

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1085

<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 1728
gcagatattt ttcataagat aaataccac agtgtatagt aatgaacctg gataataaat 60
atcttccagc aaatatttta cttagaagac gattatattt tttaaatttt gagattaatt 120
gaatatatac aaacagaaaa ttaggtacaa atttattatg tttatggctc ttatacaact 180
atcaaggtaa aggaaattta ccaattaaat acaaagtagt aaaattcaaa atcacaataa 240
ttaataatgt tctgctgcta caaatgaga tggtggggtt aataatagaa ggaagtagca 300
ctgttgaaat agaattaaat gggctctgaa ttcatttggt attggaatca gaagtcgcga 360
gttctgaaag ggtaagggtt actgcaacat tgctaataaa taatttcaag atgaaatata 420
caaagatgag atccaagctc taacatttac ttgcaacatg aatatggnac tgggttcttc 480
tccgncccca tctcattccc cctnctctnc tgctgctggt ngg 523

<210> 1729
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 1729
ccggtccgga attcccgggt cgaccacgc gtccggtaaa attgnttttt ntataccaat 60
atatgcatgt tttgtgcatg agtagtactt gtgttgatac tcctgttgat gttaaattac 120
tatataatat aaacagtatg tgtttttata tatcattgtg taaatttaat ataacatatg 180
cagtaataaa ccatttggtt tactgctggt aaaaaaaaa 218

<210> 1730

1086

<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<400> 1730
gcaaaagtgt gcacagactg tgattttattc attgtggtct gtgactttta cccatcattg 60
atgctctcac ttaggtaaac cctaaagacc aaactagcaa cactagtcaa gggagtgact 120
ggagttatatt ctggttagcag tagccactgg catcctagaa acacatggac atttgtagca 180
tgaattgacc tattggtagt gcaatagcta tacatgattt ttattcttgg caaaagaaaa 240
tgcttcaaaa aaaaagtgat caaacctgca cattgatcct gtaatagcaa atggaaggct 300
atttctctgt actagcattt cagctttatg tgggaaagtt acccgttctc ctgcaagtac 360
aatcaaccct tgatgactta agtattaatt attctgggtg taactcacc aagntttctt 420
cctacatctt ttggctaatt ccaccacacc tcagcataca gtcagatggg aaaaggggca 480
ggtaggattct catgtcatgc cytcttgkac cttattttca agttttgtgg tggargaggt 540
twaatatctg ccaanaatct ggatttttag cccggtgcgg 580

<210> 1731
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (616)
<223> n equals a,t,g, or c

1087

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<400> 1731

```

ggagatttag aagcttcact caaatattaa gctttattta aaaagatgat ttccagtatt 60
tcattttata ttcacattaa tcaagtctac atgtttcggt tagagtaaca ggaagatggt 120
aatacgccca gggaactatc tggaagtgtg gaaattggga tgaacaccgt gggtatactt 180
gttttgatct gcctgtggtg ctatgatgac ttattttctc tcattattgc atagaaactc 240
aattcagtga tgttattcag atgttattca taagttattg ccatgattca tcaactttat 300
gtcatcagag ttgggatggc taccanaat aggggatcct ggagatttcc ctgtagacgc 360
tttgcattha taaataatcc tttatcaagg gcagagggat ttctgtagga cttctccctt 420
agaagaactc agcctgggta gaaatacgag gattaacatc agcacatatt catctccaaa 480
aaattttcct cccattact cacacttgcc aataaataac ttgctttggg taaatattca 540
gcactcagtc ttagtccaaa gcatttgctc agcaatcact gtgtanagta canagtaagg 600
gggataccac aaatanaant ttgctctatt ttcttaa 637

```

<210> 1732

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1732

```

cacattttct tgcttctttg catgtttctt aatttttttt attgaatgcc aggcattgta 60
tgtaaaggaa tagtagacaa taaagtaata ttaatgacca gaaraaaatc atttctcctt 120
agtcttatta ggccactagt gggctggggg gtggggagaa ggggtggtgct gactgaatca 180
tttaagtgat tttaatttgt aatatatttg catgtattag ctgcttctac taatcactta 240
tttgccata agccttgcat ctagaaatat ggcaatatag gaatattact gctttctgaa 300
gtttcatatg cttctcacct tttattttat gtttgatgat tttaatattt ttcttgcate 360
agagtagtag gaatatcttt gcaacattaa gaaatacttg gtatgggtta cttacttaca 420
ccg 423

```

<210> 1733

<211> 1281

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1277)

1088

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1278)

<223> n equals a,t,g, or c

<400> 1733

```

agtttgctgg tcttccaata ccgaagaaag ggtgggttggtg acaatacctc ttgcttctaa 60
agaatgtatt ataaaaacacc gcagatTTTT ttttttcctt aaaaaacact acctgatgct 120
ttccttggtc gtgggggattg tgggtcacatg aagctctttc tgcattcagta ttaaggtgta 180
tatttgaatg tcttccccctc ccttttcccc tccaggctgt gtagctttga ggggctgggc 240
gtttgctcac gaccttgctg tctcgtcag aacatgctcc gcaaagtctt ccgcacacac 300
ttcttcccc tcaagcccat ttcttcccc aaccacaaag gtgtttgtga ttctcacc 360
cgggaaacca aggagctgca aagkggagtc tgggttcagcc ccgtgcagac tcaccagag 420
cttaancgtt gtctttcaaa caccctgagc ctctctaaac agccagtgc gacgttctct 480
ctggggccacg aagccctcgt ggtcctcccc gtccctcgst ccgatgcata cctcagtgc 540
gaaccacaga atctctgcag cggaaacgcc gtgcattctt tgtctgttgg cagcgagcac 600
atcgtgctgs gagacacgag tttctaagca gctggcacga gggctgctga cggcatgggt 660
cgtgcttcag ggtggcaata cctcttagga acttagggca ggaagcaata cttcagcatt 720
gaatgtgtgt aaatagttgc tttgagttgc aattgctatt ttcttctcag tcccagctca 780
gatcgaatta tatatccata tatatatata tatatatata tggtaaacia gcacacacia 840
ttttatccaa tgcaaacaaa tgtagagcat cagttacaaa accctcgaat agcttgagag 900
ccccacaggc tctgccacac ccgtgacttc atccacactg acgtcaccgc cgggggctcc 960
ccctgcacat ttgcacacga tccggagagc cgaaggccgc gtgcttctctg tcacatgggc 1020
tgtaatcatt tgtagtttcc aaagacacgt ctgcatttga atttctagat tttcgaggta 1080
aggagttttt ttttaattggt tgtttggaaa atcacatcat gcctagaatc tgaaattgaa 1140
ttagcaagaa ccgactgttt gcattttcca tatatcttt tatctgctct ttttaaattg 1200
ttaattctaa taatttcaaa atgcattcac tgaagaaatg gacattaaaa tattctaaaa 1260
ttaaaaaaaaa aanaaannaa a 1281

```

<210> 1734

<211> 275

<212> DNA

<213> Homo sapiens .

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<400> 1734

```

gttttaagaa tgcagcatgg gtctggcttt ggaattgant tcaatgctac agatgcgtta 60
agatgtgtaa acaactacca aggaatgctt aaagtggcct gtgctgaaga gtggcaagaa 120
agcaggacgg aggggtgaaca ctccaaagag gttattaaac catatgattg gacctatrc 180
rcagattata agggamcctt acttgagaa tctcttaagt taaaggttgw atctatatga 240
tctgtttag gtacagaaaa attgaaagcc agaga 275

```

<210> 1735

<211> 1031

<212> DNA

1089

<213> Homo sapiens

<220>

<221> misc feature

<222> (796)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (821)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (976)

<223> n equals a,t,g, or c

<400> 1735

```

gagccaatct t gatggtggg tgtggcatta tgtgctcact ttattgagcc tatgttaatt 60
tcttttagcat gctcccccta aattgaaata gtgatgtagt aaatattcag aagcgatttt 120
cttttgcatt tttacctaac caaggaaacg ggccacacac cttggtttag ggatgtttgtg 180
atagcttacc ttccagtttt taagaaatgc ttcttrcaac tgctgtcaac cactgtattg 240
tctttaatga aactgtttgt atcccatcct aattcttgta ctgaaatyat ttctcatgaa 300
agtttctcta atatttctaa tgaaagtttc tctaatttgg gggcataatg tactaaraat 360
cagtttgctg tatattagaa taaatagtaa cagtaagtca gcaggattat ccaaacaaaa 420
gactaggttt tatgagataa gcttgattta agaaaaaac aattaaagta tgratatcmg 480
aaatactgtg kgtttactct cagatttttag ttggttggat ttaatatcaa gataactagc 540
tgctaagcgt ttcataattc tcacagtgat attagatttc aaaatgacac tgagagaact 600
gaaaaaactac atcagtcaaa ttcagtgtat tatatcatat agcctttaac tttttacatt 660
aatcagattc ttagtataaat gcagmctgta tacctaaata ttaaaatatt tacttttata 720
atcttacctt ttatttcaat ataaataaaa ttcttcttag gttaaaaaat taatttcagt 780
tgtgtttatg ccaganggca ttgccttagt tgggtgcaagc nctcaatatg tttcattctt 840
ttttatagtc tttcacattt ataaggaaaa gccttatctc caactgaaac accagtctta 900
ctactacggg tttaaaagtt gttaatgatc cattatctat tataaggcct ttattttacat 960
agcaaattac ttaacnttta ttttgaatat aacagatttt taaaacggga ccttttaaagg 1020
agccctaggg g 1031

```

<210> 1736

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

1090

<220>
 <221> misc feature
 <222> (320)
 <223> n equals a,t,g, or c

<400> 1736
 ccaactgccc gttcaaggcc atgggttggt tggggcccag gaagtgctga accatgtcct 60
 aagggaacatt gagctgttca tgggaaagct ggagaaggcc caggcaaaga ccagcwggaa 120
 gaagaaattt gggaaaaaaaa acaaggacca gggaggtctc acccaggcac agtacattga 180
 ctgcttccag aagatcaagc acagcttcaa cctcctggga aggctggcca cctggctgaa 240
 ggagacaagt gcccctgagc tcgtacacat cctcttcaag tncctgaact tcatnctggc 300
 caggtgccct gaggtggcn tagcagccca agtgatct 338

<210> 1737
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (419)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (422)
 <223> n equals a,t,g, or c

<400> 1737
 gacacacatt ataatctaata gagttaagga aaaatgcttt gattcctata caatttttct 60
 ataattgctt ttacacatct cattttcaga agcactcctt gttttttgtt tgttattgtt 120
 gctgttggct ttcttggttag ctagaagaag acataagcaa aaaaatggac aaagatgaag 180
 aggctttgaa ggcagctcaa gcagaactca rggaggcccg acgccagtgg caccacctgc 240
 aagtggaaat tgaatctctc catgctgtgg aaaggggset tgaaaactcc ctacatgccc 300
 gcgagcagca ttaccagatg cagctgcaag acctagagac tgtgrttgam ggwctagaga 360
 aagagctaca ggamttaar rcgckgcawc swaaagcagc tttcaagwgc acgwgatgnt 420
 tnttca 426

<210> 1738
 <211> 792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (233)
 <223> n equals a,t,g, or c

<400> 1738
 ctgcgggcgc acacagtacg acacgaggag aaagtgccat gtcacgtgtg tggcaagatg 60

1091

```

ctgagcccg   ctgaccctt   taatttttaa   gartgttcaa   tccgagatga   atcatttgaa   120
gtatTTTTat   atgtatatct   atttaaaact   aatatattat   taaagcttaa   ttgccatgcc   180
gtttatcttc   tctgaaagaa   cttcaaactct   tacctgccaa   catattcacc   atnawttatt   240
ttttaataacc   ttccatacaa   taactttttt   aaaamaacct   cagattgaaa   aagcaaccta   300
aattactttc   gctctctaata   cagcattttca   atgtattttat   ttttaaattgt   tctcaaaaag   360
taactaaaaa   attgtgtcgg   accctacttt   tgagaaatct   acgtttccca   agttttatgg   420
gaactggcta   ttctttgtcc   cggcacacct   tctcatctct   tcctttcaga   gcctaaaacc   480
tcatttgata   agcactccta   gtctctggcc   tgtggatcca   gtgctattct   gtcaccaacc   540
taagaatccc   aattgcacct   tctgtttctg   acagtcacag   gtgacagctg   tgattctata   600
atacagactg   gtgtcttaga   ggtaggaata   atacatgatt   atgaagcatc   accctgctaa   660
tacataataa   tgtcttttta   tattataagt   gattgagttt   agttcattty   aatacattgt   720
acatgaaaaa   atgaaaagta   gaactttgta   atactttaat   caataaaatt   aattaccaa   780
aaaaaaaaaa   aa                                     792

```

<210> 1739

<211> 468

<212> DNA

<213> Homo sapiens

<400> 1739

```

ctacccccct   gagactctgg   ctttctatct   tatagaacta   ttttaatgat   agtttaaaca   60
tgtataacct   ttactgggta   ttttctgttc   cccttatctt   gggagttcag   cataatgctg   120
tgccgagtcag   gataacaagg   tcccactgag   gtgaaggagg   gaggctggga   atgctacagc   180
ctggagtgga   ggtgtgattt   cagtaggtgg   aagggtgtct   tcctgaaagg   aattggcaga   240
agtagattct   tactgattca   gatacatctt   ccaccaactg   aaggaaggaa   ttattaaagc   300
caatggtgaa   caaagcattt   caagcatttt   ataggaaagt   actagatgag   gagatttttt   360
tcattccttt   tttaatcagc   aaaaaagaaa   ttagtattat   tgaattagca   gattcttcct   420
attctatatt   aagaaaagatt   taatttttgt   accaagggaag   gttagggtg                                     468

```

<210> 1740

<211> 107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<400> 1740

```

gcaactagcc   acgagttgtg   tttcatctga   accttcaccc   ccctcctcct   ggggactatt   60
ttgaaataaaa   tctaagacat   cagggccagg   ctcagtgatg   ncttaga                                     107

```

<210> 1741

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

1092

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (465)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<400> 1741

```

ggtttagctc attgttgaaa ctgtttgctt taattcaagt agtctagtgg aagaaagaaa 60
ggtagcatag tagcagttgc agaataaaa ctggaagaga gaaagctatg tctaacaagg 120
gcagcagctc tgagttgcc gctagttagt agcagttagg atgagaagtg ctgaccaact 180
tttctgtatt ctgaaatctt aggggtcaaaa tatatttcat ctgtgtttta actgtgcagt 240
aggactgtaa agttttcaca atactttggc ttttccatat ttgtatggtt tgtatttagt 300
taatcttaat aaaaatttag acttcaagaa aaattgggag aggaggtgwg taattttgct 360
tgctttctcc tcgttggatg ttgggtctca taactctaata attgagggta aattttgctt 420
ttgtaaaatt ggactgaagc taagatcatt ccatgagagg ntcanaanaa cttgcacaag 480
tgcta                                           485

```

<210> 1742

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 1742

```

gctggaattc attggatagc aaccaactct ccaaggcatt gttctcagta cagacctggc 60
ctgagtatcc tccaaatctg aactttttaga gatgaatcca aatcaataga gagcagagtc 120

```

1093

```

atagagagtt actgtcagag agcatccagt taaaggggtga atgccagagc ccatgtgtat 180
caatcaatag agtgccacat gcctatattga agtattatac caaagtgtga cactgtcatt 240
ctgcgttttgt gctatcctat gcctatcatt taaagttgct cccaaagtaa gtcatttggc 300
tttccaacaa ggacattttc tttcatttta caacatgcaa tatatttgta acgacctggc 360
atTTTTctga attnaagttc accacccttt gcaggacnga naangactgc cg 412

```

<210> 1743

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 1743

```

aagctgggtac gcctgcaggt accgggtccgg aattcccggg tcgacccacg cgtccgtnc 60
tgcgtccgcc caccgcgtccg gatctactga gtaaagaccc ctgcctttcc tcccggtcag 120
gggtcctcca gtgcgtgatt tcttggttct ctcaggacat caatgatcat cctttggata 180
ggtagcgaag tcacattttg ctgttaagtg gttgtttttc tattctttgc cctttccgc 240
agcagcaggt ggggcctcgt ctatgcactg cgctcaggtg cagatgggat cgagataatt 300
gcttgaattc ttgtgcagac ttttgtaatt ctgcagtaga gacaaaagtc ttggaatccg 360
tgctatcaat gtaagaatgt tggaatgctg ttaa 394

```

<210> 1744

<211> 953

<212> DNA

<213> Homo sapiens

<400> 1744

```

gtccggaggc agcagtgtcc acctttcaga ccagtttgca ccatcttctg caggactgta 60
ttttgagcct gaaccaatatt ctccacgcc caattatttg caacgggggag aattttmmag 120
ttgtgtttca tgtgaagaaa actcaagctg cctcgaccag atcttttgatt cctaccttca 180
gacagagatg caccgggagc ctttgctcaa ttccacacaa agtgctccac accattttccc 240
agacagcttc cagggcaccc ctttctgctt taaccagagc ctgatcccag gatcaccttc 300
aaattcctcc attctctctg gctccttaga ctacagttac tcgccagtgc agctgccttc 360
atatgctcca gagaattaca attccccctg ttctctggac accagaacct gtggctaccc 420
cccagaagac cattcctacc aacacttgct ctccacgcc cagtacagct gcttctcctc 480
ggccaccacc tccatctgct actgcgcact gtgtgaggca gaggacttgg atgctctcca 540
ggcggcagag tacttctacc cgagcacaga ctgtgtggac tttgccccct cagcagccgc 600
caccagtgat ttctataaga gggaaacaaa ctgtgacatc tgctatagtt aatagaaatt 660
acagtaattc agaacatggc atgggtatat ctatttttct accacgtcta gatgacactg 720
caaaatatgc aacttggtta cacaatatcc caagcacagt ttacatgtca ctatttccaa 780
ttttctgatg ctaagcattc atatgaagtc ctcagaccgc gtcacagcgc cactcctact 840
ttgtatgctc atagttttaa tttttgtagg aaactttcaa ttgttttact ttttgataa 900
cgaacaaatg ctgtctcctt ttttactaat aaataatttt gtattactaa aaa 953

```

<210> 1745

<211> 392

<212> DNA

1094

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<400> 1745

```
agttgatcaa aacggaggga caaaaaacgg ggtgggggtgg gaagcaggaa acagtctctt 60
aacttctcaa ggactcagct ctactaagg agnaatttcc tactgtctct ctgggatgct 120
attgtgatat ttaattaatt ggaattcttt tctcttatga ataatttctc tgagcaacag 180
ggtacaattt tgcatataag gcaatagaac tatagggagg aacaagntca aatgcttncc 240
tttcaagaag gtgccgtata cgtcttatat aaaaatatac attccattaa tcttatatcc 300
tctccctaac cactaaaatg caaatgaaaa tattttatata agacgtatac ggcaccttct 360
tcaaagtctt ccttttcaag aaggtgccgn at 392
```

<210> 1746

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

1095

<220>
 <221> misc feature
 <222> (501)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (515)
 <223> n equals a,t,g, or c

<400> 1746
 cctccctgca gnttgagatg tgtcnaagag acaggctcta atacgactca ctatagggaa 60
 agctggtacg cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccgagatc 120
 agttggcctt atttctcag tggaaatcta ctactatga tgtggtagtt ggcggtgtgt 180
 cagctcgcaa taaccatgaa cttcgaaacg tgataagaag cacctggatg agacatttgc 240
 tacagcatcc cacattaagt caacggtagg ttttctgagt tgttgcttg cctgggttat 300
 tgaaataaga gttctgaaaa acctagccag gcgtagtggt gtgtgcccgt cgtcccagct 360
 accggggagg ctgagggtgga aggattgctt gagcttggaa aattgagggt gcaktgagcc 420
 atgattgcac cactgcattc tagcctgcat gatgggaatg agtccctgcc taatttaaaa 480
 aaaaaaaaaa agggccggcc nccttttcgg gcggnccccg tttcccagga caa 533

<210> 1747
 <211> 251
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (174)
 <223> n equals a,t,g, or c

<400> 1747
 agatgctata aaagtaaaag aatataataa tttgctcaat gctcttcaga tggattcggga 60
 tgaaatgaaa aaaatmcttg cagaaaatag taggaaaatt rctgttttgc aagtgaatga 120
 aaaatcackt ataaggcaat atwcarcctt agtagaattg gagcgacaac ttanaaaaga 180
 aatgagaag caaaagaatg aattgttgtc catggaagct gaagtttgtg aaaaaattgg 240
 gtgtttgcaa a 251

<210> 1748
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (353)

1096

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<400> 1748

```
gcatgtgnga gacgtgattc tggaagtga cgggtatcct gttgggggac agaatgacct 60
ggagaggctt cagcagctgc ctgaggctga gccacccctc tgctgaagc tggcagccag 120
gtctctgagg ggcttggaag cctggwtccc ccctggggct gcagaggact gggctctggc 180
ctcggatcta ctgtagagca cccctgcttg gtacagacat actcaggggc taccgtgtct 240
tcaactctcca gcctgagggtg gtgaaggcag gatgctctct ctaaagccag accagaggga 300
ctcagacacc accgatcaca ggctggccca ggtgctccct cccttctctgc ccnccn 355
```

<210> 1749

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (777)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (799)

<223> n equals a,t,g, or c

<400> 1749

```
gaaaaaaagg ataaaggaag gacttaagca aaatcttcct tgtaagtaga aggatgtttt 60
gacaagaaaa gttgcaatgg aaaaatgggt ctcatgtaca cgagtatgta gaataagcat 120
cgtgtgtgga ttggattcag atcaaaacat tgcttttatg tttgtgtctt tatacggtag 180
gagtataccc tgggtgcccc ggatgaagac ttgacctgac ccatgtattt ttagattact 240
cacagataac aaaaagtatt ttcattcatga ttagttgcga aaacagtatt atttcaatag 300
gtaaaacgtg cagtcctatg taatcgtcag aaggtaatct taattatagc ttgggtgtgc 360
tttaaaactgc aagctggcag tggagggcac gattcctctg atttcagctt tctccttata 420
cttttctgga gctgtgagct gcaagttaac tcagtgggat taaagtgtag actggaggta 480
caaaagggtga ggagttagga gatagggtag ttcttctctg gctggctggc ttcatratcc 540
ctgggccccg cagataatta aatcgacttt ttctgtctca ggcatattgta tgacctcttt 600
ggagggttccc tgctgggtag ttatccttgt atctgatggg acccatctca atttaaaata 660
cttctgccag ggttcgggag gtttcatggc ttgttcatcc ccagcacttt tggggaggct 720
tcagagggtgc cattttggctt tgagccccc gaatttttag acccagccgg gggcaanccg 780
gggggttgaan ncctctttnt tccccattta aaattaccaa aaaattaggc cc 832
```

1097

<210> 1750
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 1750
ggagagatga gaatactatg aaaaatatat tttcaaaaaa gaggaaatta gaagttgcat 60
gttcagattg tgaagttgaa gttctcccat taggattgga aacacatcct agaactgcta 120
aaactgagaa atgtccacca aagttcagta ataatcccaa ggagcttact atggaaacga 180
aatatgataa tatttcaaga attcagtatc attcagttat tagagatcct gaatccaaga 240
cagccatttt tcaacacaat gggaaaaaaa tggaatttgt ttctctggag tctgtcacty 300
cagaagataa tgatggattt aaaccacccy gagagcatct gaactctaaa accaagggag 360
cacaaaagga ctcaagttca aaccatgttg atgagtttga agataatctg ctgattggaa 420
tccagatgtg gatnagatat taactnaaat tatnaggaga aggaaacttc caccaaggga 480
gcag 484

<210> 1751
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (766)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

1098

<400> 1751

```

gcgcaagtac gagttcgaaa aggacctcag taagcagctg ggcttcttct ccttccccat 60
caccacagtg ctcagggacc ttccctggg cttaaagaag gtaaaaggct cccgcatcca 120
cctgtcctcg gagacccacc ggagctgect gctgcgtaaa ctggaggagt ccaaaagggc 180
ccggcaggcc tcccggctca gcacctccca ctgnagcaca gagacaccct ctgtgcagca 240
ggaaccagcc acccacactg cccaggacca ggccacagag ccctgccgct ccctctacac 300
caacttgcca gccagccggc agctcagccc ttggagagcc aagctctaca tgtctgectg 360
caccggcatg ggttccagtc cccccaagtc caaggacatg gacaatgagg gccgtgataa 420
agccgagatt gaagatgaag atgaggatga gttcaaggat gaagaccagg atgaggacaa 480
ggatgaggat ggagtctaga gcctcccaga gcctggagag gaggcctcgg tcagccactc 540
cgtggacgtg ggccacgggtg acccaccatg aagtcccccac tagccactcg attccctgct 600
ctgtcagagt tgctgcacat cacaccagcc cctgccaaga gcaggagtca ccacaggctg 660
aatgcccacg aggagctctg ctgagactct caagggagcc agtgaaagaa atagaaataa 720
agcctgtgyt gctgggacac aggtttgctg tcttgaaaaa aaaaanaaat an 772

```

<210> 1752

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<400> 1752

```

tcgacccacg cgtccgacca gcatgaggta aagaaaagak gcataatggt tgcctttggt 60
ttgtttttat tttaaagccc aaggctcttg tttttgaagt aacagcttaa tttttaccct 120
tcataatcag gagagttact tagatgctct cttcatgatt tggttgagggt ggaatgattt 180
ggcagtcctt gaaatattt ttggggagga ggtggcagaa gagtggagtg taccagggtta 240
tgagatttct cttaacccac caacctaaact tctgttcttt ctgcacctca gagatgaaga 300
agagatgatg atttctcttc ctcaagtcct tcttattctt gctgtcctgt tttttcaggc 360
caagattggn cttgnttggt tgca 384

```

<210> 1753

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<400> 1753

```

atgacacaga ggctgatgtn ttgggggcttg tggcttcagg gacccctgat gtggccaggg 60

```

1099

```
ccatgactca caccctactc aggcattctgg cagcaaggcc ccctacccag gccagcacc 120
agcatcagtg tcccycatgc ctgctgcccc ttccaggggt tctaacagga tgggggtggg 180
tctggcagaa ggcagagtta tctgaagcat gggggcagga gc 222
```

<210> 1754

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<400> 1754

```
aaataatttt tacattttgt attttccaac caaacagaat cgggaccagt attcacatct 60
gctaagtgat cattttctgc cataccaagg tcataattcc ttccgtgaga aatatttttag 120
tggggtaaca aaaagaattg ccaaggaaga aaaatccacc caggaatgaa aattaagatt 180
ttgncaatga agaaagaata agaatttgat ttaaaaagac atctggatgt gaactttcat 240
gtatgatcca gaaaataggt acggttttaa aatattttat atagaaaagc tacaaagtaa 300
attgagcaat gctttttaaag ttatctttgt tttatagact tttttgttgt atgtattaca 360
gtctttataa tcttatttaa tgtatatttg tactttcaag tactgatgga gatagactca 420
aaacagttat ttttttataa ttaatctaca aagggaatta atattgttga cttttaaaac 480
atctgctgga tatattatat gcaattaata gtagttaaga atttattcat ttggtagata 540
tgtttatttg gtttttggtt gtcattgatt tacattgcca ctaataaacc atattgagaa 600
tttctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 650
```

<210> 1755

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

1100

<220>
 <221> misc feature
 <222> (526)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (541)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (548)
 <223> n equals a,t,g, or c

<400> 1755
 agtggtccgg gagcaccggg nctccgtcat ctgtctggag ctggtgaacc gactcgtgta 60
 ctytggcagc rcggacagga ccgtcaagtg ctggctggca gacacagggg agtgtgtgcr 120
 cacgttcacg gccacacagac gcaacgtgag cgccctcaag taccacgcgg gcaccttggt 180
 cacgggcagc ggggacgctt gcgcccgggc cttcgacgcg cagtctggag agctgcggag 240
 ggtgttccgg ggccacacat tcatcatcaa ctgcatccag gtgcacggcc aggtgctcta 300
 caccgcctcg cagcagcgcg ccttgcgcct ctgggacgtg cgcgggctcc gaggtgcccc 360
 gcggtccccct ccgcccattg gcagcctctc gcggctcttc agcaacaagg tgggctgcgc 420
 cgtcgcgccc ctgcagccgg cctgatcccc cggggccccct gcagacgcca gccacagacac 480
 ccagcggctc ccanagcgcc ccgncctgct acccgcggtg gtggcncccg atggcccggc 540
 naggggcnag gagcgaggaa 560

<210> 1756
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (282)
 <223> n equals a,t,g, or c

<400> 1756
 ggcaacagag cgagactcca tctcaagaaa agaaaaaaaa attgtaattc ttatacccctt 60
 gctctgcttc tttatcattg tgtaatttta aaaacaactg rcatatatta tacagggtact 120
 tgttttattgt ctatttctac cactaaaatg gaagctccaa ctgctattag attaatcttc 180
 ctcccaggtc caattttgat tatgttactc tgaccaagct gatcttttct cttcaatcta 240
 gaccttttaa ctaccttcaa aaatacaata aatatgatta tncctagact 289

<210> 1757
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 1757

1101

```

gggagcactt ggagcggatg ctggggcagg ctggggagcg ccgggctgat gtgtacgtgg 60
gcgtggatgt gtttgctcga gggaacgtgg tcggaggccg attcgacaca gacaagtcgt 120
tggagctgat ccgaaagcat ggcttctccg tggctttgtt tgcccccggc tgggtgtatg 180
agtgtctgga gaagaaggat ttcttccaga accaggacaa gttctggggc cgactggagc 240
gttatctgcc cacacatagc atctgctcct tgcccttctg cactccttc tgcctgggca 300
tgggtgcacg gaggtctgc tatggccagg aagaggcggg agggccctgg taccacctga 360
gcgcccagga gatccagccc ttgtttggag aacacaggct gggargggat ggccggggct 420
gggtgaggac gcactgctgc ctggaggatg cctggcacgg aggcagctcc ctgctcgtcc 480
gggtgtgac                                     490

```

<210> 1758

<211> 855

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (837)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (849)

<223> n equals a,t,g, or c

<400> 1758

```

agaattgaag gagagatgtt gtatcactgt tagaaggctg ctttgggaca ttctgcagca 60
gggaggaggg actgtcaacc cctacaccat gaccaccaag ttsctcacct tsgctgagtc 120
cctaaaactc tctgaacctc aggttcctcc aagcataatg cagacttcac agagctgttg 180
taaagattag gtgagggtcaa ttgatactgc ttaaaaggcc cgggccgtag aagatgcccc 240
ataaacatta ctgctttccc cstcaccmta ctgcctgaaa atattacacc tgtgagactg 300
acttkgagaa ccagtgtggg tnsaggagttg tgcatataaa ctatttartg agtaccnaac 360
acaaaagtca agcttgtaaa atatcaggcc ttgccccaga aagacaaata ccacatgata 420
tactgatata gtwgartctt aaaaagtcna actcagagca gagagtagaa tgatggttat 480
caagggctgg gggaggaggg gactggggag atgttggtca aatgatacaa aggttttagtt 540
aggtggaata agttcagaaa atcaattgta caatgtatca attatagtta atagcaatat 600

```

1102

```

aacatatact tgaaaattgc tgagagtagt gtgagtgttc taccacaaaa aaatatgtgc 660
agtaatagat gttaattacc ttaatttagt catttcacaa tatgtacata tataaaaaata 720
tgttgtatgc catgagtata tataattatt atttgtgaat ttaaaaaata aaaataattt 780
ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa 840
aaaaaaaaana aaaaaa                                     855

```

```

<210> 1759
<211> 693
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

```

```

<400> 1759
tgacactata ttaggnacgc ctgccggtac cggtcccgga ttccccgggtc gacccacgcg 60
tccgggatct tctgcanttt acctctccgt atctcathtt ccttagattt tatatggttt 120
taatttaaaa gatctaaaag tacactgtaa atgcacagta tatggagggt atagtataat 180
agttacaggt cagcaacaaa tgtttgttct attttccctt ctccttgcag cctctcttgt 240
ctttccaggc aggtgagtag ttcatctgt gatcathtt gctctgtacc acctcctcat 300
ggcagtatgt tacagcagct tttctaccag agcataagga gtcttgcatt tttgtggtaa 360
aagtcctttc tggagaagca gtacaggaag gtttctgggt tgctataacc aggatttttc 420
aacaacaaca ctattggtat ttggggctag ggtaattctt tgttgktggg gtggccaggt 480
tattgtagga tgtttcacag catccatacc tttatcatat tcgctycaag gtaagacaac 540
caaaaatgtc cccagacact gscaaatatc ccctggaggg caaagtttta tttgagcact 600
atttgcataa atawtgktgt ggatgctatt tacataactg kgkgttcagt tatgaaaatg 660
cagagttgta catatatgat atatgtagtt ttc                                     693

```

```

<210> 1760
<211> 2726
<212> DNA
<213> Homo sapiens

```

```

<400> 1760
gaggcgctag aggcggggggc gccgggaggc gcgggcttgc tcctgggggtc tcggccttgg 60
ccggctggac ctgaccctag ggcggttgc gcagctgtcg ggacgtgact gcgttcagcc 120
gcgtcggggc tgcttcccgag acttgcccaa gttcgggtgc cctagctgcc cctttgcagc 180
cgctggccta cccggcccgcc ggggtgagaag gttgcgacgg gaggtgggtg gaactcgcca 240
gcgccggggc cgcggattgg ctgcctcggc tttctctttt ccccggtggg tccggcggtg 300
ggcgctgaag cggccggcag ccggcgaccg gccctcaccg tccgccgggt tgcgctctgc 360
ttttgcggtg aggcgttgac cacgcccata tgaattggag ctctccgcca gtaggagttt 420
ccggaaggag tttgaatttt tgtgattttt atgcttgktt ggctgggtgga atatgttggg 480
atttatgttt gcctctgaac aagtgtcttg ctcacatcgt aaatgacttt ctctccgaaa 540
cgctaaatat tctttcccgcc aggagctcat atccttattt tccatgacag atcttaacga 600

```

1103

```

caatatatgc aaaagatata taaagatgat aactaatata gttatactga gcctgatcat 660
ttgcatttcg ttagctttct ggattatata aatgactgca agcacctatt atggtaactt 720
acgacctatt tctccgtggc gttggctgtt ttctgttgtt gttcctgttc tgatcgtctc 780
taatggcctt aaaaagaaaa gtctagatca cagtggggct ctaggagggc tagtcgtttg 840
atttatccta accattgcaa atttcagctt ttttacctct ttgctgatgt ttttcttgtc 900
ttcttcgaaa ctactaaat ggaagggaga agtgaagaag cgtctagatt cagaatataa 960
ggaaggtggg caaaggaatt ggggttcagg gtctgttaat ggagctgtac ccacagaact 1020
ggccctgctg tacatgatag aaaatggccc cggggaaatc cagtcgattt ttccaagcag 1080
tactccgctt cctggatgtg tttgtctctc ttggctgcac tggcctgctc tgctggagac 1140
acatgggctt cagaagtttg cccagttctg agtaaaagtt ctccaagact gataacaacc 1200
tgggagaaaag ttccagtttg taccaatgga ggagttacag tgggtggcct tgtctccagt 1260
ctccttgggt gtacctttgt gggcattgca tacttctca cacagctgat ttttgtgaat 1320
gatttagaca tttctgcccc gcagtggcca attattgcat ttggtggtt arctggatta 1380
ctargatcaa ttgtggactc atacttaggg gctacaatgc agtatactgg gttggatgaa 1440
agcactggca tgggtggtaaa cagcccaaca aataakgcaa ggcacatagc agggaaaccc 1500
attcttgata acaacgcagt gaatctgttt tcttctgttc ttattgccct cttgctccca 1560
actgctgctt ggggtttttg gccagggggg tgaactttat ttcatttcca cagggtgaaa 1620
ctggtgagtc cagctaaatt tgcaattcca actttcatcc taagaataat aactgtaatg 1680
gcaaagcgga aatgccagtt cctcctgtat tccattgaga tgggatttca cattttcctc 1740
tcatcaactc ccctgtaata gctagcgtct ttctagygaa agagaagaat tcctagaact 1800
tatgcatttt tttcctgctg aatggaagtc ttgagcaatg aagctatatt gtccctacat 1860
attactatat attgaactga aagttcttac ataatcaatg tcaagttttg tcttattttg 1920
ttttgtttgt ttaaaccagt gtaggaaata aaagtgatga tattttaaata agttctcagt 1980
tgaagcagag aaatgccact gtgctagttg cccaaatgtt gtatctattt taaatagttt 2040
aagctgatgt gtatgggagc ctaaacaagt gtagtatcct gaacttctcc cattaattgc 2100
tattcacaaat tgggaaaagt gtggagattg gttcctagtg agttttgtgg cctactccac 2160
atttgttctt ccttcctcag ggttagtgat gaaaaaaagt aaatatcttt ttcatatgtc 2220
cattagaatg tatgaaaaaa atcattttta ctaaaagcaa aagaatttta tcttatatct 2280
aaaaaatata taacttacta tatgtttcag ttgctctctg aacaaaaatt atcttcaatt 2340
taatatgttg aatgtgtttt ctagctttct ttgaattatg tatggcaacc tggtttagca 2400
ctggcatcct gaacagttaa gagtcaactg gaaattattg tatttcttta taaatttact 2460
gtcatatcaa ttgctggaaa atgctatgat ttttctatta ttaccttcta agttgtattc 2520
tctcttacac tgtagcctca actaaggcaa ttctgctatg tttgttcttc actatgattt 2580
actgtgtgcc aaaggagttt tgacagggtg cagagtattt tactaaaagt atttttaaat 2640
gtttctcatg tgattttctgt accttcttcc tctgccccct tttgcttttt taaagaaact 2700
ggggaaggat ttatgaatac accacc 2726

```

<210> 1761

<211> 1033

<212> DNA

<213> Homo sapiens

<400> 1761

```

aaaagagttt atatacttct aaaagctcct aacttatatc caaagaattg ctttctgatt 60
cgtgtagtct ctcccacaga ttcataaact tttatgactt atattgtttc cagggtgggca 120
tgggtttattt ccagttttaa cagttcagaa taggggcatt tattttatca tatttttaggg 180
tgggttagga gtatcctttc tgggagactga gaaaggggtg tatttaattc catcagggtcc 240
agtacagtac taggagtcac aatactttat aatcaattaa ataaatagaa ccaactgagac 300
aataatgtat ttttttaaag tggcaaatgt ggttttcttt tttcagcctt tgcgcttttt 360
cagtattttg accatagggg gataattttt ttataataca aaagtaacca cttggaattt 420
taaagataat gttatgtgtg tatgtgaaat atatatacat atatatatat atttcctaaa 480

```


1104

```

agaagaaaag atacctttct gttcaacttg tatcaactcc tcttttctaa ttgctgtgaa 540
atgggcaactg ttgataaatt attgtgattg ttttaaaatc taatgggaag taaaatatat 600
tttgatttta ccagcttaa tctgtaaagt agcacttaaa tatatctgat agcaacactt 660
aagatattgc atggggatta ctttcctatc atccatatgc atttgtgcaa cttcaaacad 720
attgggtgct tctgaattcc tgatgattgg atttaagcta ttgaaaattg gataatttaa 780
acttaatgat ttttataatt ttctgatctt aaaatttggg taatgcctat aatctgttgc 840
tttttctcaa tatgtgtcct attggaaatt cctcaaactg ttgggtgccat cagtgattta 900
caaacaatat tttgatattg cagatgactt gcttactgta tttgcattgt tagaaaacag 960
ttttagaca atgattcttt ttttaataaaa tcaataaatt ctaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaa 1033

```

<210> 1762

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 1762

```

cctctcggcc gtaggttagg nagattcggg tgggaatgca tgaagctcca cngaagtatc 60
ggtatgtagg gtattctgcc caagccctgt tcgcatacca aaccaggngt taaataacat 120
caggctctgg gggaatagaa agcmggcttt agacaatctg tccatttcta cagtaaaatt 180
ggagtgagtg tgtatatcta cttaaaactt aatagaagtg acttctactt tttgggctat 240
tccagaagta ttttaaaatt attattttaa attttgaagc cccatttcaa atcttgccga 300
ccttagttca aagccccctg agagatcact tttagaattg aggatttgtt aaaatggcaa 360
gtcatttcat ttgtgttaaa aagaaaatac ccaaaaggaa ggaggaggcc ctgtttgcct 420
tgagataaac ggccttggca ttttctggca ttaatgtaga aataatgttc ctatgatgac 480
atattttcaa agaaacactt tcttatttac tgtgtggtgt aaaatgttgc taaatgtgtt 540
gttacattat gtcactgctg aaagtaattt gcactataat aaaggaattt tctacaaaaa 600
aaaaaaaaaa aaaaaaaaaa a 621

```

<210> 1763

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1763

```

gactttctgt gtttacttgt atgaggaaaa acagyacata raggcattcca cagtatttaa 60

```

1105

```

tttgtttggg taacagttac agataaacag gtacacccca tatacaatta cyaatacttt 120
ttatacagtt catatttcag tacatcaaca ctatttttatt tacactctat ttatryacat 180
taacatcttt yttaaattggg attattgtcc atatgcttta ttttttttat tccagtgtat 240
tcccttttag gaatttatct gaggggagaa tactctgtaa ttactccata atttgcaggc 300
aaatatcatc atagcatttt ttaggagagt aaaaagttat taacaactta tatttgtctc 360
acattagagg aatgggttaa taaagcatgg tgtattcatt ggataaacta taatgcagtt 420
gttgaaaatg attaccagga gtttttgcta acatttatgg gaacatgctt atgatatgtg 480
aacatttttt taaaaacaag acataaagtt gcatatactg gaaataatac cttcaatatt 540
gaaaaaaaaa ctatttagga aaraggacag aagaaaatct gccaatattt tgacagtggg 600
tgcctttgta ttaagaatat aattaagaat ataaaaggat tccctgcctt ttaacatttt 660
tctctgcttt ccaacatgaa tattatacct agtaatcaga aaaaaaacag aggcaatcac 720
tcttatcctt tacatt 736

```

<210> 1764

<211> 1371

<212> DNA

<213> Homo sapiens

<400> 1764

```

cagttaaata actcctggtg acacttcagg tggtagaatt gaaacacaaa cctgacttct 60
gaccacatgg gtcaaaggca aaaggcaaat ggcttcaaaag cccttagtgt gcttatccag 120
ttcaggcagt gaggagataa cctctgcttt cctccctgag gagtttggag tatttaaggg 180
gggatggggg ggggtgcact ttgaaaatat gttgcttttt ctcctgattg tattgaggct 240
gatatgggaag ggttatttct ttctggccaa tacttttttg tatttctaaa tattgcaatc 300
ttgattttta ctattaaatt tgtaatttgt cagttctggc ttttttgc ataaagagttgg 360
tccattaact tgccaatttg aagcttctaa ctagatatct cctactgaaa gtttttgatt 420
tgtttttagt ttgtggagca gtcttagctg gggacaggta attgacaacg gcagagatac 480
tttcttttcc taggattcta agtctgtaat ccacatcctc aatgtattca caggacttta 540
aaattctctc caaatgagga aggaaatatc ctgttgcttt ctaatgttta ctaaaagttg 600
tgtttagaac aacagatttt aataggcatc ttcccttggt atgtgtcatt agccctttgc 660
ccgtttacct tagggctctt tgaaggagaa atggatggga gaaaacctgt cacttggcga 720
aagtaaaaag gataattaac tggctcagag cttatgtgca gagttccaag ccccaaagtt 780
aatctagaac cactcgataa caccaataaa aatatttatt tcacatctgt tatatatctg 840
gaaaatgttc taagcatctt acacatatct ctcattaaat ccacagggtg ccatgtgtgag 900
gtagatatct tgttctaatt ttccagatga ggaagctgag accctaaaag gctgaccggg 960
tccctgatgt gttacctgct tctgctactg atccaaaact cagaacttct cattcatccc 1020
caaggcctcc aggagctatc caatggggaa tcagctctaa aaggaaaccag accaacgttt 1080
tccagccctt tcattctgta gcttccctct gtgtgaggaa aggatagaaa tgttcaggac 1140
atcatcatac aggctcctca tctacaaagt tccagtagca gtgacgccta cacggaagac 1200
ttggaactgc aaacaggctg gggtcacctc agtgacatct gacgctgtcc aaccagaagt 1260
tcgatttttg ttctgggggt gaaggaggaa acagactgta ctaaaggact aaaataattt 1320
gtctatamwa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattccc c 1371

```

<210> 1765

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (510)

1106

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (716)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (733)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (738).

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (757)

<223> n equals a,t,g, or c

<400> 1765

```
tacgcttctg ggcataatac tgaaacacaa aactgctttt gctctctctg tggttggccg 60
aaaataggat tctttttcgt gcagggtgtcg ttgttttagtc ggctttacta acatattgaa 120
atggctctac ccaaagacgc catccccctcg ctgtccgagt gccagtgcgg gatctgcatg 180
gaaatcctcg tggagcccgt caccctccccg tgtaaccaca cgctgtgtaa accgtgcttc 240
cagtcgaccg tcgaaaaggc gagtttatgc tgtcccttct gtcgycgccg ggtatcgtcg 300
tggactcggg accatacccc aagaaattct ctcgtcaacg tggaaactgtg gacgataatt 360
caaaaacact atcccaggga gtgcaagctt agagcgtctg gccagaatc agaggaagtg 420
gctgatgact atcagccagt tcgtctgtct agtaaacctg gggaactgag aagagaatat 480
gaagaggaaa taagcaagggt ggcggcagan cgacgggcca gcgaggaaga agaaaacaaa 540
gccagtgaag aatacataca gaggttggtg gcagaggagg aagaagagga aaaaagacag 600
gcagaaaaaa ggcgaagagc gatggaagaa caactgaaaa gtgatgagga actggcaaga 660
aagctaagca ttgatattaa caatttctgt gagggaagta tctcggttc tccctntgaa 720
ttccagaaaa atntggtncc agttacaccc aagtctngaa aaagga 766
```

<210> 1766

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1766

```
ggcagagggt gagggcacgg aagggggttt mccattcatg ttgtataagt gaaccagacc 60
acctgatgg catccacagt gatgtcaagg ttggggctgg ccaggggtgg gtggactaga 120
agcatttggg agtagtggcc agggscctgg acgctagcca cggagctgct gcacagagcc 180
tgggtgtccac aagcttccag gttgggggttg gagcctggga tgagccccgg cagcgccttg 240
gcccttctgt ggtccctgcc agcctctgac ctgggcccgt cagtcattgc tggactctgg 300
ccacacactg gcgttctcat ccacttgga acaagccagt cttttctgca aggtcagttg 360
accaagagca tatttccctt ctgttgta caaggtgttt gtgtttgtgt tgtaacagt 420
ggtggagggg ggggtgggtc tacatttgtt gcatgagtcg atgggtcaga acttttagtat 480
```

1107

```

acgcatgcgt cctctgagtg acagggcatt ttgtcgaaaa taagcacctt ggtaactaaa 540
cccccttaat agctataaaag gcttttagttc tgtattgatt aagttactgt aaaagcttgg 600
gtttattttt gtaggactta atggctaaga attagaacat agcaaggggg ctcctctgtt 660
ggagtaatgt aaattgtaat tataaataaa catgcaaacc tttaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaa                                     736

```

```

<210> 1767
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

```

```

<400> 1767
naacnggnaa gctgttcccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgagcctac tctggttaag atgttctttt cctcaaaagg gccctagtgc catgatttaa 120
atatttttat taccattttt aaatggagaa gccattctgc atatgccttt gaattcctgc 180
ccctctttac cacctcttcc tccccctcaa aggaaaaaca tttcatccaa gtaagttaac 240
ggcattttct gtaggatttt cttatgcact gcacactctg gacctcacct gcagatacag 300
ttccccctt gccaggagca tctgcatgtg gtacttctct tttccctcag ttgatatttc 360
ttatatgata ttctagatac tatagaactc aatttgtcag attcagtata acctcagatt 420
ttgttacctg tcttttaaaa atgcagattt tgtcaaatca aataaagatc aatggatgtt 480
gggtataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                                     521

```

```

<210> 1768
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 1768
aaaagaaaaa aatgacatta aattttgtca agatagcata ttgaaaatat aatagaaaaa 60
tatttgttta tctgctataa tatattatgt cataggtgtt atcttcagga aggcacactg 120
gacctgctaa attaacaaat ggaaagaaag cgtaagtact tgaagacgtt tacaacttca 180
gatttcaagg aattttttcag gtctttgggc tggatgacat gtcgtctacc ccagaaaatt 240
aggtaggcct ctaccatcac aagctctgag gaacaatttt tcatgtctac ccattgtta 300
catttttagta tttacagtc tttctgatct tcagaatgtg tttataaatt catcttgtac 360
atgggtggac aagctttctt gtctttgctg graagraaat gactacttac taatatattt 420
tgggrraaat attkgtaaga atattaataa gct                                     453

```

1108

<210> 1769
 <211> 636
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (516)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (540)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (553)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (571)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (623)
 <223> n equals a,t,g, or c

<400> 1769
 ccctataggg aaagctggta cgctgcagg taccgggccg gaattcccgg gtcgacccac 60
 gcgctccgggc gactggcagg acgcggtgca gagagcggac ttccgcgacg cggaacgtcc 120
 tacagtgtag gggaagcaat ggaagaactt ctacctgatg gacaaatatg ggctaatatg 180
 gatccagaag aacgaatggt ggcagctgct acagctttta cccacatctg tgcagggcag 240
 ggtgaaggag atgtcaggag agaagcccaa tctatccaat atgatcccta cagtaaagct 300
 tcaktagccc caggggaagcg acctgctctt cctgtgcaac tacagtaccc acatgtagaa 360
 agtaatgtcc cttcagaaac agtctctgag gcctcccaaa gactccgaaa gccagtgatg 420
 aagagaaagg tgctgcgcag aaagccagat ggggaagtat tagtaacaga tgagtcgatt 480
 atcaagtgaa tcagaattgg tacagaaaat gatcangatc tcttgggact taagacaaan 540
 gctggatgaa tgnacgttcc aggaagacaa ngaatcttca tttgatgggt cacaaaaaat 600
 taacctacca catgaatacc cangaatttc tcaaga 636

<210> 1770
 <211> 643
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

1109

<222> (632)

<223> n equals a,t,g, or c

<400> 1770

```

tcctcactaa gggaacaaag ctggtgctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga gcacgagtgt gcacatgtgc gcgcacacac 120
acacacacac acacacacac agaacttaac agcagtgatg tgtgttgtaa tatgcaactt 180
tgtaagttac atatcactcc ccaataccac cttctcagtc acggagtaga gatcttactt 240
cacaagaagt gagactcaga gaggtgaagt gacctgtgca aggtcaccta ttacagtgcc 300
agagttggaa ctaaaggaac ttcagtctgt gaacttcagt gtctttccag tagcatattt 360
gcagcagaag agtcaagaat gttgtgagct gcaactctca ctagaaccaa atgaccttat 420
tgggagatgt tagtccagcc ttaaaaacaa gctcttcacc tccatgaatg gcaagtgtct 480
gccctcttca ggccaaatcg agaatgacat ctataactga ggcaaactct tcagraacct 540
aagtcagacc ttgggattat ttgctttttc agtaagttct kgggtcccggg ctgtgtcttc 600
ttaactcttg ctgttggggg acccttcagg gnaagcttac cca 643

```

<210> 1771

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (721)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (730)

<223> n equals a,t,g, or c

<400> 1771

```

catattttaa aaaatatgtt ttctgtgtgt tgccaaagaa tagaaatgca attgattttt 60
taatatttaa cttatatcta gccatggtat tgaattcttc taattttctaa taatttgtct 120
gtcaatcatt ttattctttc taggtaaata tgatactata ataaattttg cttctttctg 180
tttctttcct tttcctatta ttacttttc ttgcattact aggcactttt ggacctttta 240
taaaatgtga aaaagcacat ttatctttat attgatttta aacagaacac tctaaatacc 300
ttattatcgg taagactaat grctgctgaa gaattttact gggttgagaa aactgttatt 360
tatattgtgt taaatgtttt cattataaat ggggtgttcaa ttatatcaat tttattttct 420
gcatctaatt ggatgatcat aagacatttt tctcttttaa tctcttagta tgataattta 480
catttttggg ttttccagaa acatcttttg attcctagaa taagccagat ttatcacaag 540
tggtattatc ttatcagata tatggctgct cttgagttac taatctttta cacttttgtg 600
tgtaaggaat gtttttaatc taggtgaaat tttgaatcta tgctcatgag taagaatatc 660
ctttctcata ctatccttat ctggccttag tactgagctt tagattatct tggaggggtt 720
natttccctn cctt 734

```

<210> 1772

<211> 396

<212> DNA

<213> Homo sapiens

1110

<400> 1772

```

gcggaacgcgt gggaaaaaaa agaattactt gagatgcttg ttgaatatgc atattcctaa 60
gcccagccct aaatctactg aatcagaatt ctatttttaa tgtacactcc agatggttct 120
gatacttgaa caacgctata ttttagcattg gttaagtaca gatattttgt ttttagccta 180
ttgcagaatt agctcaataa ttcataaaat gggttaattat tcataccaat gctaaactca 240
gtattttatta catcaaaatt tttaatgtat tggctaattt tggtaaagct aagaccacca 300
gtgtgaataa ggatggattt ttggttattt gccactgara ttttttagca tagatcccca 360
gaattatttt taggaaaagg atatgctgtg cttagc                                     396

```

<210> 1773

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1773

```

gagcttttagc tcgcctgccg ctcaccttgt gctgtgcagc ccggttccta acagaccaca 60
gacccacacac caggtctatc tcattttggtc tcagagctgt gaatcagcca gcaatatttt 120
agttgcaaat cactgaaaac ccaactcaaa gtgacttaag tcagaaagaa attttatgaa 180
ttcaggtaat taaaaagtcc agaagtatct gccttttaggc acagctggat ccaagggcac 240
aaatgatgtc atcaggtccc agttattctc catctcccag ctcagctttt tctgtctgta 300
agcctgattt tcaggaaggc tctttcctag tgatggagat gaccaccatc agctccaggc 360
ttctatcctg ctaaccacgt aaccacagtgg gaagagattt acttattcca ataattccaa 420
gtggagagtg tcattgaccc gttttgggtc tcatctctac ttctagggga atgaaacact 480
ctgagtggcc aggcctgtgt catgtgctaa ttcctagagc cagggaataa aggtctgagg 540
attcaggatg ggggtgaaagg tggttgctta aaggaaaatg aaatacaatt agcagaataa 600
ggggaaacga gtgggtctgt ctgctcgggc aaaacaagag atgcccatta ctgtgaggga 660
cccttgaagt ctggactctt aaatgggttt ttgctgattt cctgggtgca tgctaggatg 720
atggggcttg atgcagtagg gaagagacga tgtaaaaaata ataaacaata tataccttca 780
aaaaaa                                           786

```

<210> 1774

<211> 676

<212> DNA

<213> Homo sapiens

<400> 1774

```

ggcacgagac tgaatattga aataatgtaa aagacctatt tcccgcctagc ttttaaccgat 60
ttgtcataaa cacctttctt gtatatgatt tttaaatgtt tgctaaatat taaaaagaat 120
tcaatgtgtt tggttttgta aaattacata tcgaatgtgt ataatttttt actaccatgt 180
tcatcacact taatctatat ccatatattg tactccacca atatttatca gtggacaata 240
aagaagtttt gaatgcatga atgcaactta agaggcacca cacttgggta ttttgcaatg 300
ccagaataac ggtgggtatt cacaaattga atagataatc cagattatgw ttcctcccaa 360
tttaagtttt tctgggtttt tttttccccc ttcttagaat caattttatc attttaccta 420
tgtacaataa tatacttcct ggaaaatgcc tagaattttc accatgtaac agaatttgag 480
catgacagta wtgtaaaaat attcagaagt ctgcaactat aggttttgagt tttcaaagta 540
aatcaaaatm cagctgtttt cattttacta gattgtggaa acctatggat gttattgtaa 600
aatgcatatg cattacactg actttcttaa aatgttttga attaataaag aattcaacaa 660
tgtaaaaaaa aaaaaa                                           676

```

<210> 1775

<211> 423

1111

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 1775
ttactatcta agtatgcaat tcttagggaa aagtgcctgg aatcttgcaa ttccaagata 60
tccattgtaa ttactctgga tttaaataga actggtctcg tagcacaaga attcctgata 120
gcaagatact ttccataaga taccttcaac ccggttaatt ttttttctgt atctgataag 180
gtaaagttta gttcaagagt acagaacaca tttatttact tttttgtctt tctgaaagta 240
caaaggacca cccttatcaa tctgtctttc ccagctactt ggaactctac gtgacttttc 300
tctttgtgtt ttatagaaat acgtttgttt ttatgatnca tttttgaaat tgtgatttng 360
tagggatatgc agaggagnaa attcgggaaa atttttaagg tattctgaag aagacacttt 420
aac 423

<210> 1776
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 1776
acgttggtga aaactgcttt cccctttgaa tgggtcttggc ccccttgtgg anagtcactg 60
cagcataaga gtttagccttc atctctgggc tctcctctcc tgtgactccc gtaatgtttt 120
actcatccac ttcatggtgg accaccctct ggctctgtcc actctgccac ttttttcctc 180
tgctcctcac aggatcattt ccattgtaag tgtctccagc ttgctgattc tttattctgc 240
ctgctcagat ctgccggtga accctctagt gaatttgtaa gtgtcagtta ttattttcag 300
ctcttctagt yccatttgat caccttcata attcctatct kttgataycc tcattgtgtt 360
cctctgtgat tttcctgact tcctgtagtt ctgtgtccat ggcttccttc agttcttcga 420
gcacatttaa gacagtcggg ttaaagcctt tgtttactaa gtccaatgtc taggcttcct 480
tgggcatgtt tttgtcagtt aaatattttc ctttgaatga gtcataacct cctgttttat 540
ttgctttaga ttttaggtca ctaaattttt ctttgtgtct aaactgctgt taaacctatc 600
cattcagttt ttaatttggg ttattgtgtt tttcagttga attttttttt aaccttatct 660
cctgtatctt t 671

1112

<210> 1777
<211> 1779
<212> DNA
<213> Homo sapiens

<400> 1777
gctcgtgccc ctcgtgccgc tcgtgccgtt cattcagaag gtggagataa gtaataccta 60
ctcctaaatt tttatcctga tagtgagaaa atatataagc attttggaac tacagaacac 120
catacaaaat tagcattatt agtactgcat tatcttgtgc tcttacaatg ttttgtgtat 180
atgtatactg attttctact tagaatgtaa ctgttggttt gtcaagtgtc tttttcccc 240
cagcctttcc taggctagga tatatgctaa caagtactat taggagctgg cttgtgatca 300
taatgccaac tatagataag gcaagtagta gcctagtagt taactgaagt ttcaagttag 360
tcatgtatag tcagttttta ttatcatgtg aataaaataa aattgttttc cttttctttt 420
cattcaggaa aggttctagg aactattttg gtgcacaacc acattataga ttatscttgg 480
gwgatatgcc atttgtagct ggggaaggtra gttgggtcaa ctccggattc tttttataca 540
acattgatcc ctgaattaag tccctgcac tscaagtatg tctacaaatg gaaggaacat 600
tttyctgtgc ctttaccagt gtgtggatca tgcctttacc agtgtgtgga tcacagtga 660
tgtgaaaatg agatgtaggg aggttttttg ggattagggg agcaagggaag agatggggag 720
gataccttaa agtagataaa gtatatgttg aaaggaagtg ataaaacaga gaccctaagt 780
tgaagaaggt gttgtttcag ataggggtca aggaaataag aaatagtagt tttgtagcat 840
tggattttta gtatcmatcc tgttgagtta catttagata taggtagata ttcgaataag 900
cacgtagcac attctgcttg tcttcacatc cagatcattt ctaggactaa ttctccaaga 960
agcagtcata cgtacacttg aatcttcagt ttcttcagca cttgaatgta aagctgtatt 1020
gtcatatata aagtactgag tgaagtrcct aaaactgtgc tagttgacac tactttataa 1080
gctgtttgtg ttgctggtgg ttttatattt agattccaac tagattgtta ttctggcatc 1140
ttgggaagta aatgttcttc tgaattttgt atttgtttat atttatttat tttaaacccc 1200
tagtaaattc gcagtgaat catggggaat ataataaatt agtgggtgaca agcatttgaa 1260
aaaggtagag ttgacccttg aacaacatga gtccgaactc tgtgtgggtc tmcttacagg 1320
cagatttttt ttttcaataa gtatcttgga aaattttttg gagatttttg gcaatttgaa 1380
aaaacttgca aactatagct tagaaatatc agaagttaag aaaaagttgg tatgtcatag 1440
atgcataaaa ttgactatgt caatactagt gcattttatc atttaytacc ataaaatata 1500
cacaagtttt ttttaattat aatttatcaa aacaatttgc acacagacta cgtgacgcca 1560
ttcacagtcc agagaaatgt aaacagataa agatgcagta tgaaatcata actgtataaa 1620
attaactgta gtacatactg tacgactgat aattttgtag ccaccttctg ttgccattgt 1680
gatgagctca agggttggga gtattcactt aaaatgccac gtgacgctaa tcatcttcaa 1740
atgagcagtt catctctcca gtcaattgtg tatcacagt 1779

<210> 1778
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)

1113

<223> n equals a,t,g, or c

<400> 1778

```

aaagaagaca cattcacaac cagtggtaga gaaactgtgg tttatatgcc cctcttagaa 60
taactcttca ggctctgttt atagccctgg gttcatgcat gataaagtag acagcaacac 120
caccatacag tgcagaggag tggcaagaga ktaaaccgaa aaggagatga aaatagacca 180
aktggagaaa ggcctgggtcm aaaaaggarg aaaaggaaga tcactatgga atawtaraga 240
kttgaaaaat gaagtgcacac ccaataacag gacgggacaa tcagagatga cttggttgta 300
gtgtggaaac cagtagggac cttgggaagc tgccaaaccc tttctagctc tgggctcagc 360
tgtaagaact gctgattcct acaggaacac ttggacaatc caatacctaa atgttaacca 420
tcaattaacc cagtaaacct gcaagatgga aacgaagatt tgttctcacg agtttcacgt 480
gattatttaa aacacttctg gggggccagta gccaaactggg gtcttnccca ttgctgccat 540
cnatggtatg aaaagtctc

```

<210> 1779

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (749)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (758)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (770)

<223> n equals a,t,g, or c

<400> 1779

```

gcaagtcctc cattyttcca ccattgattt ttcttgccac agatattgac cgcattctcc 60
gtgctggcct tactttgcag gaagctcttg gagctttgca tcgagttggg gggaatgcag 120
accttgcact tcttgttttg ctgcacaaaa acatcgtagt tcctacatga ctgtgggaaa 180
gtgggctaga ccgttctcca ttccctttta acaaaagaaa gctctctcta tatacacgca 240
cacatacaca ctcgccacat atacagtata tatagaaacc tgcaagcaga atgttgagcc 300
agattttttt taaagatttt ttctggccaa agtaatttat gatcttttgt ctgatgaatt 360
tgtctatcct acttgttaaa atttaggcct ttttaaattg attggcagta tgtgcataca 420
gaagcttttt attctcatta agatgtatcc tgggaataaaa tggatggttt tgtgtgtarc 480
atactgtttt agaattgagag taaatgcttt gaaaagcaga agccatgaga aatcccmcta 540
cccatccagc taaaaacaga tgaactctcc acactgtgac tgtgtgtctg tgctgatggc 600
aagggtatgg ttgctggctc arttgtea attagaaact ttgaccacat aatttgggtgt 660
ttggaattct acccagtgt ctgtgtatca tgatkcatta attataacag gaaattggag 720
aataattgaa tatcttatcc gtagaatgnt atgttttnat ttgtgtgctn aagatttgac 780
ttttaa

```

<210> 1780

1114

<211> 688
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (634)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (652)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (657)
 <223> n equals a,t,g, or c

<400> 1780
 caacatggtg aaatcccgtc tctactaaaa atacaaaaaa ttagccgggc atggtggcgg 60
 gtgcctgtaa tcccagctac ttgggagggt gaggcaggag aatcatttga acccaggagg 120
 cagaggttgc agtgagccga gatcacacca ttgcactcca gcctgggcaa caagagcaaa 180
 actccatcta aaaaaaaccc acattttcat gaatatcagc catcaacaat gcagaaagta 240
 atagactagt cttctgaatt attaaccccta gcaattgtca ccaagtgaaa acctygggtca 300
 ctaaaacttc ttggaatagc attcaagggtc ttgctttaac acaaaacccc aaaacttggc 360
 ggtacaaaac aaccattttc tgatggatcg ggaatccatg tctgaagtct cagctaagaa 420
 gactccaagg ctgggttcca ggctggaact gcctggggca tctccccaca cacacactgg 480
 tacttggctg gaccaccagc aggttctact ccccggtgtt cttcrcagtt tgtcagttgg 540
 gctgatttgg gtttgtctac agagtattca gccaaagatcc caagatcaag tatccaccgc 600
 ggcccggggc ccaatcatct tgttttttaa acantcggtt tttgaggcag gntaggntat 660
 ttcatttcca gattttttcg tgttaccc 688

<210> 1781
 <211> 548
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (501)
 <223> n equals a,t,g, or c

<400> 1781
 aagtctattg gcatcctcga catcttttga tttgaaaact ttgagggttaa tcactttgaa 60
 cagttcaata taaactatgc aaacgagaaa cttcaggagt acttcaacaa gcatattttt 120
 tctttagaac aactagaata tagccgggaa ggattagtgt gggaaagatat tgactggata 180
 gacaatggag aatgcctgga cttgattgag aagaaaacttg gctcctagcc cttatcaatg 240
 aagaaagcca ttttccctcaa gccacagaca gcaccttatt ggagaagcta cacagtcagc 300
 atgcgaataa ccacttttat gtgaagccca gagttgcagt taacaatttt ggagtgaagc 360
 actatgctgg agagggtgcaa tatgatgtcc gaggtatctt ggagaagaac agagatacat 420

1115

```

ttcgagatga cctttctcaat ttgctaagag aaagccgatt tgactttatc tacgatcttt 480
ttgaacatgt ttccaagccg naacaaccag gataccttga aatgtgggag ccaacatcgg 540
cggcctac 548

```

<210> 1782

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (508)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (546)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 1782

```

aaaaaaaaaa atctatatatt tatrgaaata ataaaaaaact aaccttagct tactgtaaat 60
tttctagttt agaaacttat ttaaaaaacaa tttttggact cttctagtaa taacgtagct 120
taaaacacac attgcatagc tgtacaaaaaa tattttcctt atatccttat tatataagct 180
tttatctatt taaattttga attttttaaac tttttggtca aaaaccaaga caaacacact 240
agcctaggcc tatgcagggc caggatcaag acatccctag caggtgacag gaatttttca 300
actccattat aatctgtggg gccaccatca tatatatatt gtacattgac cgaaacatgg 360
ttacatgact atataatttg cgtcaatact gctcagtgtg ccatatttaa atttacatga 420
ctatatgtg atattctttt caaaataaaag tttatttggg agataaaaaaa aaaaaaaaaa 480
aaagtgngcc gcagcttatn ccctaggngg ggtaattagc tggcctgcgg cggtttaacg 540
cggctnggaa cccgngtcc acttacc 567

```

<210> 1783

<211> 537

<212> DNA

<213> Homo sapiens

1116

<400> 1783

```
gcacctatga catagtaaac ttgaagaata aaaactaccc tcagaaatat ttttaaaaga 60
agtagcaaat tatcttcagt ataatccatg gkratgtatg cagtaattca aattgatctc 120
tctctcaata ggtttcttaa caatctaaac ttgaaacatc aatgttaatt tttggaacta 180
ttgggatttg tgacgcttgt tgcagtttac caaaacaagt atttgaaaat atatagtatc 240
aactgaaatg tttccattcc gttgtttag ttaacatcat gaatggactt cttagctga 300
ttaccccaact gtgggaacca aattggattc ctactttggt ggactctctt tcctgatttt 360
aacaatttac catcccatc tctgccctgt gatttttttt aaaagcttat tcaatgttct 420
gcagcattgt gattgtatgc tggctacact gcttttagaa tgctctttct catgaagcaa 480
ggaaataaat ttgtttgaaa tgacattttc tctcataaaa aaaaaaaaaa aaaaaaa 537
```

<210> 1784

<211> 614

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (574)

<223> n equals a,t,g, or c

<400> 1784

```
tgggtcaatc tcaggttcca gtctcagaaa ctgcaggttg ttgtcacctt tctgtcagca 60
tggatcaagc ccctaaaatg tggtaagtgt tgtcagagca gggcaatata tctactctca 120
agtatgaggg gaatagaaac aaagcagcag ttttagccag ggttcaatga tagagtggag 180
gtaaattaag agcctccagg ctgtgattca ccatttgaga cattatacat aatttgtttt 240
tgttataagc catttgaaat tttaaaaaat ttcatacatg caatggaata tagatatgta 300
tatacacata taatatatat gctaaagtat aaagagtaat aataatgaca ataaacaaac 360
ccctgtgtgc ctaccaccca ccttattgcc tttcctttga ggtaccgtgt gcgggtttcct 420
gaacctatct ctatccctgt ctgatagagg gaaccctgt actgaacttt gtgttgacca 480
tagccttctt gtctttcatc actttatctc catgtatgta tccttaaaga ataataaatg 540
gaattaaact gaaaaaaaaa aaaaaagggc ggcngtctag aaggatccaa gctacgtacg 600
cgtgcatgcg acgt 614
```

<210> 1785

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1117

<222> (460)

<223> n equals a,t,g, or c

<400> 1785

```
aaaattaacc ctactaaag ggaacaaaag ctggagctcc accgcggtgn cgaccgctct 60
agaactagtg gatcccccg gctgcaggaa ttccgcacga ggcggtgtct cctctttgaa 120
attaagaact atctttcytg tagcaaagct gcacmtgatg atgctgcctc tcctctctgt 180
gttgtctggg cccttgttta caagcacgcg ttacccttcc tgaggggagc catgctctag 240
cccctggagg gcctgttgca ggggcagggc gggcccgttg cctttggcag ctcttgga 300
gctgtggaca tgcagtcccc ctcaagtctgt gctgcaataa aggccatctt ctcttatttc 360
tgcctccttt tctctttgga ccctggagcc acaggctcag cctggcctgt cgncccggt 420
tgtcactgaa aagccccgga taccaagaag tcaccacacn aaagtgggag aagaaataag 480
atggccttta tatcg 495
```

<210> 1786

<211> 584

<212> DNA

<213> Homo sapiens

<400> 1786

```
ctgctgagag ttggtaaaga ggatggtcga gtgagatggg gttgacctcc ctggatctta 60
tgtcactaca tcctggacct caagaggggc atccaagctt tttgaaagct gaactccttg 120
actggagaaa cctagacaag aggcggggcc aggtgcttga tatctaggag gcattcttcc 180
tcttcccttg ccaccatgga gctgggcaca gtaagccata ttgtttcctg aagcaggagt 240
cccaggcctt ggctagagag ggaacagatg tctaacaaaa agagaagcaa ttcgaggaat 300
tgatgaagca caattaaaat cctctctggc tagtagctct ctggcttctg ttcatttgaa 360
gaataaatct tggctgacag tgggaagcac caggtttgaa atcagatggc tttatttttc 420
tttttttggc atttaaatca gtgaaataaa attattactg gagagcacag ttcgatttaa 480
gagaattcct cagccctgtt ctcaagtctt cttttgaaat tccatgacat ggtggwtaat 540
gggtaaaatg attaatgcct cctttgggtc ttmtactgat caga 584
```

<210> 1787

<211> 1333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1271)

<223> n equals a,t,g, or c

1118

<220>
 <221> misc feature
 <222> (1298)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1313)
 <223> n equals a,t,g, or c

<400> 1787
 ttttttagatc tgccttcttg ggatgtattc maggatgcta gccgtgtttg agactgtaaa 60
 tatgtctagt gaatagggct tcaggctgtg tgtgtttgcc ttgttttgca cagaattcgg 120
 cacagcccca agcacagatg ggtgcttcat aaatattgtt gaaggatgat gacacaaagg 180
 attattttaat acctctgacc tcaggccaca aacatacttt caatgtgttt tacttctgaa 240
 atcatttgaa ccaraatgtt tcagcaacac agattcatct gcaaccacaa atcagacaca 300
 tttagaatga caaagcccca aaagaatgcc attttcaagg ctgaaactgt attattctgg 360
 gctaaatgga atccttggtt tagtgacact gtaagagtag aaattaaaga cactgaaaat 420
 cttcccttgg ggaaccacaa ttatctgtga acaatgaaag tttgtctgaa taattcatca 480
 gcctcaaggg tacaggcctc cccttattct ggaatccag gagtttaggc aagtgtgtca 540
 tttaatgggt ctcaactgtg tcctcagttg ttattattcc agggcctggc atttatgggc 600
 acatttcctat aattttacta attaaaaaaaa aataagctat atgggaaacc actgtcaagg 660
 tcaaaatttt gaagctgcat tgattttacc taggaagaaa gaagcttata aagtgtccat 720
 catgagaatc cacctgggac ctacacaaca gatcaaatac ccagaacaaa tcaccacgtc 780
 agagcccccac agaattctga ttcccaacca acaagcatga gtaatccttt taaatgggtca 840
 cttacatata agaacaggct ctttgtgaaa tttctaagca aggcctctgg tttctgactg 900
 aaacagagat ttattgagaa ggaggggtaa agtgaaatca agaactgtg ggaaatttcc 960
 acaagaaaca aggacaaatg gtttttggtt tcagagtaaa accagcctcc cctagccatg 1020
 gtttggaag ttatttgcta gccacaggg gacaatatc tcaactggtt tatcagggac 1080
 ccttttgatc caattatagt tattgggcag atacagtcctg taccctatta tcagragacc 1140
 tagtttcaaw tcctgagtca accttytaa ttcactgtgt gaccctggta caagtcactt 1200
 aagctctctg attcattggg tcaacatctt taatatgnng agagtaatgc ctatccccat 1260
 accncataaa nttttgcaag gttcaagtgg gttgaaangt tcaaattttt ccnaattttt 1320
 agatcccgga aag 1333

<210> 1788
 <211> 550
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (32)
 <223> n equals a,t,g, or c

<400> 1788
 taatatataag aaattcaata taactacatt tntataccgg ttaatgttcc acagtgtgtg 60
 ttaaaatgta gttataacta wtttttaattc caagggtgtt tttgtctttw ctttttaaata 120
 ttttyctaata ttttgtcaga ttaactagat gaataaataa atctagtatt aaccgcatta 180
 tgaattaaat aattttgatt taatgaaagg gataatatga tttccagtgt ttactgtagt 240
 gtatcttgta cagataacat gtattttttaa agggaaaaaa acggaattga agctattttt 300

1119

```

tcttgcattt ctaattgacc tgaggacat tccgtttgaa atgtactgaa gttacagttt 360
ctgggttttt ctccttattt ttcttataat gcttgaaatg tctaactatt aaaaaagaca 420
attggaaaaat gttatgcatg gggtttttaa gaaaacaaag tgttcttttt atttgactga 480
caattcattt tacactctat ataataaaat ctccacaagg catcttgtgg gcaaagtcaa 540
aaaaaaaaaa                                     550

```

<210> 1789

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<400> 1789

```

tcgtgggctt cccagcatac ctgagaatag naatctgnca gaatattttg tggctgtgga 60
tgttaacaac atgttgcatac tgtacgccag tatgtctgtac gaacgccgga tactcatcat 120
ttgcagcaaa ctcagcactc tgactgcctg catccacggg tctgcggcga tgctctaccc 180
catgtactgg cagcacgtgt acatccccgt gctgccgccg catctgmtgg actactgctg 240
tgctcccatg cctacctca taggaatcca ttttaagttta atggagaaaag tcagaaacat 300
ggccctggat gatgtcgtga tcctgaatgt ggacaccaac accctggaaa ccccttcga 360
tgacctncag agcctcccaa acgacgtgga agagagcatc gtgatccagt gagccttgcc 420
cctaagcgtg tgtgtatgat ttgcnaccga tgcaggattt atgggagttt atgggacttt 480
attta                                     485

```

<210> 1790

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

1120

<220>
 <221> misc feature
 <222> (496)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (520)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (537)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<400> 1790
 gcctacgcgt ccgcccacgc gtcccggtgga acagtttctg ccagataatc ctgtttgggg 60
 gttaggaagg ctgatggcat gtgttttctg gactaacatt ttgcagccta tggaaatgta 120
 tgtgtgctat ttattcttat gaattgtgca atgactcaca agcctaagca gtgtcagtta 180
 cagctcaacc ttggtagaaa cccgtggtgt tttgyttttt tttttgatgc gggggaaaaga 240
 ctgcattttg tgacgaattt attacctaac agaaaagatct attttctcag tgataggcat 300
 cacacaaggt gtctcctgtg acaaccctca gattaggaga aaaaaagcac atgtctgcta 360
 gaagacaagc tatgtgtgtg tgttgtttta aattctattc tgcaagggtg gatctgctgc 420
 tggaagtttg ggttggcttc caaganggaa tattaaaaat ttggaccaa tgctccttgc 480
 aaaactaggc atattnttac ttggaacaat ttattttggn aaacattttc cccaatnttg 540
 gnttttaaaa ccagcccaac cttttt 565

<210> 1791
 <211> 914
 <212> DNA
 <213> Homo sapiens

<400> 1791
 agaagttgta catattcaga gttttccatt ggcagtgcc a gtttctagcc aatagacttg 60
 tctgatcata acattgtaag cctgtagctt gccagctgc tgcttgggcc ccatttctgc 120
 tccctcgagg ttgctgggac aagctgctgc actgtctcag ttctgcttga atacctccat 180
 cgatggggaa ctcaacttct ttggaaaaat tcttatgtca agctgaaatt ctctaattat 240
 ttctcatcac ttccccagga gcagccagaa gacaggcagt agttttaatt tcaggaacag 300
 gtgatccact ctgtaaaaca gcaggtaaat ttcactcaac cccatgtggg aattgatcta 360
 tatctctact tccagggacc atttgccctt cccaaatccc tccaggccag aactgactgg 420
 agcaggcatg gccaccagg cttcaggagt aggggaagcc tggagcccca ctccagccct 480
 gggacaactt gagaattccc cctgaggcca gttctgtcat ggatgctgtc ctgagaataa 540
 cttgctgtcc cgggtgtcacc tgcttccatc tcccagccca ccagccctct gccacctca 600
 catgcctccc catggatttg ggcctcccag gccccccacc ttatgtcaac ctgcacttct 660
 tgttcaaaaa tcaggaaaag aaaagatttg aagaccccaa gtcttgtcaa taacttgctg 720

1121

```

tgtggaagca gcgggggaag acctagaacc ctttccccag cacttggttt tccaacatga 780
tatttatgag taattttatt tgatatgtac atctcttatt ttcttacatt atttatgccc 840
ccaaattata tttatgtatg taagtgaggt ttgttttgta tattaaaatg gagtttggtt 900
gtaaaaaaaa aaaa 914

```

```

<210> 1792
<211> 310
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

```

```

<400> 1792
ttggagctgg ggtgtaactg gaggggcggg cccttctcca agttagagtt ggggttctga 60
gcgagtcgtg cgtttttaggt ttagtgtctt ttccttgtec ctgctcgggg agcgtgaggc 120
agatcggccg gctttgctcc aggcctcagg agtgtcastc gctnnggctt gcacagtaca 180
ttggaacgtg cgggttctat tttgtattcg acgtgccgga tcgaaataga gctcgcggca 240
ctntgaagac cacagtagga agttaaggac gggggtgcag gttcgcagcc ctatcaacca 300
gctccgagcc 310

```

```

<210> 1793
<211> 1054
<212> DNA
<213> Homo sapiens

```

```

<400> 1793
aaatttttgt atagacattc ctttggttgg aagaatattt ataggcaata cagtcaaagt 60
ttcaaaatag catcacacaa aacatgttta taaatgaaca ggatgtaatg tacatagatg 120
acattaagaa aatttgtatg aaataattta gtcacatcatg aatatttagt tgtcatataa 180
aaaccactg tttgagaatg atgctactct gatctaata atgtgaacrt gtagatgttt 240
tgtgtgtatt tttttaaatg aaaactcaaa ataagacaag taatttggtg ataaatattt 300
ttaaagataa ctcagcatgt ttgtaaagca ggatacattt tactaaaagg ttcatagggt 360
ccaatcacag ctcataggta gagcaaagaa aggggtggatg gattgaaaag attagcctct 420
gtctcggttg caggttccca cctcgcaagc aattggaaac aaaacttttg gggagtttta 480
ttttgcatta ggggtgtgtt tatgttaagc aaaacatact ttagaagcaa atgaaaaagg 540
caattgaaaa tcccagctat ttcacctaga tggaatagcc accctgagca gaactttgtg 600
atgcttcatt ctgtggaatt ttgtgcttrc tactgtatag tgcattgtgt gtaggttact 660
ctaactggtt ttgtcgacgt aaacatttaa agtgttatat tttttataaa aatgtttatt 720
tttaatgata tgagaaaaat tttgttaggc cacaaaaaca ctgcactgtg aacatttttag 780
aaaaggatg tcagactggg attaatgaca gcatgatttt caatgactgt aaattgcatg 840
aaggaaatgt actgattgcc aatacacccc accctcatta catcatcagg acttgaagcc 900
aagggttaac ccagcaagct acaaagaggg tgtgtcacac tgaaactcaa tagttgagtt 960
tggctgttgt tgcaggaaaa tgattataac taaaagctct ctgatatgtc agagacttac 1020

```

1122

cagaagacac aaggaattgg tactgaagag ctat

1054

<210> 1794

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<400> 1794

```

ctggaaacta gtgggtcccc cgggcctgac aggaattcgg acagnaggga aaaattttgt 60
tagggcacaa aaacactgca ctgtgaacat tttagaaaag gtatgtcaga ctgggattaa 120
tgacagcatg attttcaatg actgtaaatt gcgataagga aatgtactga ttgccaatat 180
acccacacct cattacatca tcaggacttg aagccaaggg ttaaccagc aagctacaaa 240
gaggggtgtgt cacttgaaa ctcaatagtt gagtttggct gttgttgag gaaaatgatt 300
ataactaaaa gctctctgat agtgcagaga cttaccagaa gacacaagga attgtactga 360
agagctatta caatccaaat attgccgttt cataaatgta ataagtaata ctaattcaca 420
gagtattgta aatggtggat gacaaaagaa aatctgctct gtggaaagaa agaactgtct 480
ctaccagggg caagagcatg aacgcacaa tagaaagaac tcgggggaaac atcccatcaa 540
caggactaca cacttgata tacattcttg agaacactgc aatgtgaaaa tcacgtttgc 600
tatttataaa cttgtcctta gattaatgtg tctggacaga ttgtgggagt aagtgattct 660
tctaagaatt agatacttgt cactgcctat acctgcagct gaactgaatg gtacttcgta 720
tgttaatagt tgttctgata aatcatgcaa ttaaartaaa gtgatgcaac atcttgtaaa 780
aaaaaaaaa aaaaaaa                                     797

```

<210> 1795

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (203)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<400> 1795

```

acctttacct tctgtagtgc cctaattctag ggtctgtgac tagaaacca ggtcaattga 60
tgaaaatcca tgggagaaga aaatgtaaaa atgctttcag acattaggtg tatgaaatca 120

```

1123

cacaatataa aagctatatc atattttrtt agagggattt ttttgctacc tttgctagta 180
cttgacagat ttataaaaat gtnnaataaa atttgggnct gagaaattgt ttccccccct 240
tttttttccc tgataaatgt ctctccaaca agcattgttg ctttaaattt agcactgtct 300
tcagcttttt attgctgatt cagtttctgt ggaaaggcct ttggaaaggt aagttctggg 360
cagg 364

<210> 1796

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1226)

<223> n equals a,t,g, or c

<400> 1796

gacgcgtggg atttcaaagc tggggagatt tcatttattt ccaaaatttt tcaaaaaact 60
tttactcagt tctgctgwtat tttattaact taagagtgtc cccatcccca tatttttagct 120
ataggaaaaat tgtgctaccc ctgattcata tggaaattaaa aaaaaaatac atccctttat 180
tttgagtttt aagttgttat tttgctatac atttattact ggagtatctg gtggtctgaa 240
atagtcaaaa gtagagtttg tattaaatgt tccaatgaca tttattttta ataacttaaaa 300
aatcatgtac ttgaaatat gtcaaagcaa cttctgataa tatacctgaa tttgtagttg 360
tctcttgagc atcatttact tcactcttaga tatagtgaag atctaggaaa gctctatatg 420
ctgttctttt ctacagttgt atttttgcag catctcctgg tttcattcac tcttgttttg 480
ggatttttgt tttagatctg catatttctt gtacatatgc atgcaaataa aagaagggag 540
tttgtagctg tgccttttct cccttcagtt gctgggttaak ggggatttgc tagaaaaaat 600
tctcccgttg aagggtgaaa acagaccctt atgtgtatay ctgtacagag atgtgtatat 660
gggatgtggt ggcactttgc tgaatgtgaa cttgccttgt caatggaaag attgaaaagt 720
attatgttta ttataacatt tgtataaatc tatatatata cgtatgtata tgtgtgtgta 780
tagataaagc tatatacata tatttccctt aaaaatgtgt gtgtataata ggtaaacagc 840
ctttgttaag caagattaat gtctatggaa agttctggat tattctgtaa gccagaggag 900
gtgacagtct agagtacatc atcagaacat actaaaatgg aagtcctttg gattatagtt 960
ttgtttatgg atattacaca atgaatgctt gtctgaacag ttcttacttg ccagttccac 1020
tattcttcat cttcaccacc ttctactggg cagtctttca tcaacttaaaa aaaaaaatc 1080
acacatcatt gtgggttttt tcccccttaa ttctgtctct tctagccaga agcatctggc 1140
ttaagcatat ttcatcaact tctctgttat ttcttttaaa ggatctttat ctctgaaatt 1200
ttcccagaag gatacaagtt ttgggnaata ttatcaatag gaattttgag gacttggggc 1260
attcatc 1267

<210> 1797

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 1797

1124

```

ggctcttagat tcagatagga gattcttctt aagatgctcc gtgttttttg ttttttgttt 60
ttctgtagaa gcaagagcag tctgtgatag aattatggca gcaagttctt aaccctttcc 120
agattaccaa actctgagaa tctgacatag cctgagagtc ttttctctcc cttgaaaata 180
gccattaatt cagtgcactgt ttggagctgt gaggaaaaaa aaaaaaaga aaatagccat 240
tagctcatgt gtacacaatt caaggtacaa tatccagagc ttagaggggc cattttgggc 300
tctagattaa ggacttctac tacagaatat tggaaataaa tgtcaatgga ctgcttaaata 360
aaattatagt acatccataa caatgggagt attgtgtgat aattaaaagg gagggagacc 420
tattatcccc tactttggac caacctccaa gatattatta ngg 463

```

<210> 1798

<211> 891

<212> DNA

<213> Homo sapiens

<400> 1798

```

cacttcttgg ctaaattatt atatcaaata tattcaaatc atattcttaa actcatcgag 60
ccatttgaac aaaaattatt tttgttttagc ttcattgagta tctttggaaa ataatttggt 120
gaatatatat gattatgaga tatttttctga taaacactga attttgaaac ctgaactcac 180
tatataattg cagtgttttg aaggcctgca tccattagca ttgcattata ttcacactgc 240
cttttttagt gaaccaagac ccatcttctg gacgacagat ttatcttaag atgaaagggt 300
gtataacatg cccacaaggc ataaaaatgt taatgatgca agtaagttct aagagtttaa 360
tgaccaagca aaactctacc accagatgct gactgcttgt tttgcagtgt tcaggaaaca 420
ccattttcct ggctcttaac gcttttgtat tggatggaa aagggtctggc agctatagaa 480
caggagatcc atagcatttt gaacagaagt atctggaatc tcaactgactc gtgtgttatc 540
aaagctatat caggcctggg tgactgaatt cttgcagaaa gcagtgtagt ggccaccatc 600
caaatcacca aatgggttct atgggagaaa ggaatgtcaa acttagtatt cacatatgaa 660
cactaactac tggaacagaa atgatagggc caagagatgc tttttaaatt gtcctttatt 720
ctaaattaaa aggaagtgat aattttgttg ttaaactcatg catatagcct gactgctata 780
ttgcttctca tttcattgta actacttata tgttgtgccc attgactatc atctgtgaat 840
aaagaaagac aatatttagc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 891

```

<210> 1799

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

1125

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 1799
accctatcag acgtgggctg tcccatcaa aatatctgta cttcttgctt ctgccctaca 60
ttggaagcag cagaaaagaa gggtaagcag ggttctagaa atttgtgtta tgttttctcc 120
ccactgtatt tatttctttg gwtagtgggt caagaaattc tgttttcctg tagcaaatta 180
ataaagcggt caaacataag gaattacgac aacagcttgt agatgccaga cttcaacaaa 240
cagcacagct gataaaagaa gctgatgaaa gacatcagag agagagagag tttgkaagtt 300
ctacttcttg gaaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa gcttacgtac 360
nccgtgcatg ccgacgtcan aagctcttct ataggggnac ctaaaatcaa ttcactgggc 420
cgcgntttac aacg 434

<210> 1800
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1800
ctgttctgat atgctatccc tatttcatag tttaaatttaa aaccaaggaa ataaagtcct 60
gtattagttt ttttcttcct tgaatatcat gattatagaa atctttgctg atgtggacct 120
aaataagcgt gttgttgaga cttccaragt tctgtcctgg gtagtttaaa agtctcaatt 180
ggccaaaact ttaatgaggt tttagtaaat ctttaatacag aggaagggaa atttcaaaaag 240
tatttacttc ttcactgaaa ggtgttgggt caaattcttc atctccatgc tattttggag 300
tttctcatta ctctttaact catcaaaaaa ttcattcttt taaatgcctt ttngtcctca 360
gctaagtaac aagcatactg cagaaatttn gttgaataaa ttaatgtgtg atttctttta 420
ggatggaaga gtgtagaaag tgggcccaa 449

<210> 1801
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>

1126

<221> misc feature
 <222> (619)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (655)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (658)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (668)
 <223> n equals a,t,g, or c

<400> 1801
 ggnaaatata attacattac tattttaacac ctagcaaagc tattgtaggg tgtttccttt 60
 tccactcaaa tatacacagc taggctaaaa aaagagattc cttttttggc tggcaagatg 120
 tttggggcatc agtaatatc ccatatcata cattgttata atgtccctga tagtatttaa 180
 agaaaggaat tgatattagc tagtgattac taacacagcac aattctgtaa ctaaagggra 240
 aagaaactca ctaccattta gtagtctaca accttagcag ccttgtcaaa aatcaattct 300
 attattttttg cagtatagtg gtatctattc aattttgaga aactataact gcttcacaaa 360
 cacttacatc aagctaataca gtatttgagc catccataaa cagactatgt agaaaagcca 420
 aacatctcat tagctacttt ggagttctcc ccttattttt aataaatgtc tgtcattaat 480
 gacgtcacta ctgaagacca tgaaaaaagt atatagttga cccttgaaca acatggggtt 540
 gaactgcaca ggtctactta tacacagatt ttttttttaa ccaaagtcag atcaaaaata 600
 cagtactgac aagatgcang aaccykgggt ttatgtgaaa tctctgtata ccaanaangg 660
 gcccgcantt tattttcttat tattaattgg ggggtt 695

<210> 1802
 <211> 910
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (40)
 <223> n equals a,t,g, or c

<400> 1802
 gctttctcca gctctgagga caataagcnt ggaaagcgtn tccgcacaaa ttccagaagc 60
 actcccacta cccctcaagg gaaaccagag actacttttt tggaccaagg ctgctcttct 120

1127

```

ccagtgttaa tcgactgtcc ccacccaaac tgcaacaaaa agtacaagca cattaacggc 180
ctgaggtacc accaggctca tgcacactta gaccagaaaa acaagctgga gttcgagcct 240
gacagtgagg acaagatctc ggactgtgag gaaggattga gtaatgtggc acttgaatgc 300
agtgaagcaa gcacaagtgt atctgtttat gaccagttga aggcaccggc atyccctggt 360
gctggaaacc cacctgggac cccaaagggg aagagagagc tgatgagcaa tggcccaggt 420
tccattattg gtgctaaass tgggaagaat tctggcaaaa agaagggcct taacaatgaa 480
ctgaacaacc ttccagtaat ctccaacatg acggctgcgt tagacagttg ctccggcagca 540
gacggcagtt tggctgctga gatgcctaaa ctggaagcag aaggattaat tgacaagaaa 600
aathtagtag ataaagaaaa gggcaaaaaa gctaacaact gcaaaacgga caaaaacctc 660
tctaaactga aaagtgcctg gccctattgcc cctgccccag cccccactcc cccgcagcta 720
atcgctatac ccaactgcaac ctttacaacg accaccactg ggacaatacc cggactgccc 780
tccctcacia caactgtttg tcaggtctaca ccaaagagtc ctccgtttaa acccattcaa 840
ccaaagccca caattatggg agagcccatc accgtgaacc cagctctggt gtcactcaaa 900
gacaaaaaga                                     910

```

<210> 1803

<211> 540

<212> DNA

<213> Homo sapiens

<400> 1803

```

catttactct gtgtgagctc agcagaattg aattccaact tggatatagg tgtccatggt 60
gtttacttta ccctgggttc cgccttcttc cttgcctggt ggcctttcat gacatcataa 120
ttttgatctt cttttgttgg atactctgat cttgttcaca gagaaacata agcctaaata 180
tatggtggtt attttttgtg ttgtggcaga ctctaaatac tgagtctact cagcgttatt 240
ttgcaactag agtggaggaa tcctaaagtg ttaaaagggc tttgaagatt gagtcagcat 300
ccttatcata cagtgcagaa gtctgaatta cagagattat gcagtgtatc gtggtcaacc 360
agtaaatatt ttgtccgtaa agtacgggtg agaaatctga gattacagag attatgcagt 420
gtatcatggk caaccagtac attttttgtc gttaacatcc agagccactg acaggggagg 480
tgaaaggcac agagtgaatt tttttgttcc ttgggctttt atcaagtttt gaagggatag 540

```

<210> 1804

<211> 231

<212> DNA

<213> Homo sapiens

<400> 1804

```

cccaacccgg cactcacagc cccgcagcgc atcccggteg ccgcccagcc tcccgcaccc 60
ccatcgccgg agctgcgccg agagccccag ggaggtgcc a tgccggacggg tgtgtggtgg 120
tccacgtatg gatcctggcc ggcctctggt gcggtggccg ggcgccccct cgccttctcg 180
gacgcggggc cccacgtgca ctacggctgg ggcgacccca tccgcctgcg c 231

```

<210> 1805

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

1128

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<400> 1805

```
cggacggtgg gtgagagatc tgggtggggag ctgatgttcc agtttgaggg ccctgcagct 60
ggagacccgt ggggatctga tgttccagtt tgaggggtgg gcnatggtga cccaggcggg 120
agctgrrtgtt ctagttktag ggccctacag ctggagaccc ggggargagc tgacgttccc 180
wttcgagggc tgtgcagggtg gagacctggg gaggartcga tgttgttcta atttragtgt 240
ggtgcagctg gagatccagg gatgagatgg ccctgcrgtt caaatatgag ggtcccggag 300
ctggactcta cgtgaggaac caatgctgcc tctgatgtct taggttgtgg agctggaaac 360
tcgcgaggga actggtattg gngttcta 388
```

<210> 1806

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<400> 1806

```
aggcagaagg ccacgagaga gagaggagcg nggagagtgg tgaggaggat tcgtctetra 60
ctgatgaacc tcgccgtgcc tgtctgtcac atccaagtct gtgccagctg ctgggagggtc 120
agastcctgc cctgagaaac agcccagtc tgggagaatg aaacctgag ggtcagtgag 180
tggaggccct ccctcggggc cagccattcc cgggargcct gagttgtgac ctggaagctc 240
trtgggtcmc caaractggc attttccttg ttatttttgt tgca 284
```

<210> 1807

<211> 334

<212> DNA

<213> Homo sapiens

<400> 1807

```
gtgagccact gtgtccagca gaaatgtact ttctagaaag aaaataattg gtacttcact 60
actttcccag ggaattcctt cagggtgaatg tccacccttt tgatctagaa gcagactcac 120
aatTTTgttt gtttggcaaa tcagcctctg agctcaactt ccttgtctgt aaaatggggc 180
taaggaaatg tgggttgctt tttcaaagg tactgttagg atggaatgag atcatgtgtg 240
taacaaaggc tttggaaact ttctggaatt tgaaggctat ataaataaaa gatggaccac 300
tctttcctta aatttggcac ctttcctgtt cttt 334
```

<210> 1808

<211> 921

<212> DNA

<213> Homo sapiens

<220>

1129

<221> misc feature
 <222> (486)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (812)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (845)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (876)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (888)
 <223> n equals a,t,g, or c

<400> 1808
 gttgtgctga agaatggcag agtacctgat ttatttagtc tcaaacaatt tcaactgcctg 60
 ctatgttcaa gacccggtag gtttaaatgct ctgtagtagc tataatgtaa atgtaccatg 120
 aagaaatgct attttcttct acttattctt catttcaaac tattgtctta tactagtgtc 180
 aagcattatc tgtttgtgat ttgctgaaaa acaaattctt tgtcaaagaa aatacttccc 240
 ttaaaaaatga gaaagcaatc ttaagtctca taaatctaata ccaggatcct tctatcataa 300
 acttaactgt cttgawtttt actgagatta gccmaaataca gagccaaaaa attccccctt 360
 gcactaattt gttaccctta cattgacatt aaaggtttgg catttaatte tccatcttga 420
 tcttgaacta aatttcctga agaactgtaa ttgttacaag ccttgccact caggcatgtc 480
 atgaanactc acttctgccaa aaatagttat agctattaaa ttctctctgtg ataacttttt 540
 tgttttcccta actctaaatt aagatttggc acacagtaag acaacacaat ctaacaaaaa 600
 agaatctgga tgttagattt aaatagattt gaattttaa ttaggtgtgt ctgggtacca 660
 actaggttac tttaggcaaa ttatgcaatc tgtgtgatcc tcagtttctt cttctgtaaa 720
 gtgaggatgt tacctacttc atggcattat gtgaagattt aaagggatga ctttaaaagc 780
 gcctattaat tgtctggcac ataaaatatt cnataagtgg tattattctt aaaaaatatt 840
 atgancctat tgcctttgtc tgtcttatac tctgantgat actaattnaa ctaccttatg 900
 gctgaagggc tgcttaatgc c 921

<210> 1809
 <211> 856
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (628)
 <223> n equals a,t,g, or c

1130

<220>
 <221> misc feature
 <222> (764)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (805)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (817)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (837)
 <223> n equals a,t,g, or c

<400> 1809
 aaggaaagtgg gatactggct ggcattgtca gtgttctaag tttcaggcat ttttattttt 60
 cctggctaaa cgttggtgaa agttataacc tcctgcctgg gagaaaatat acatcaccta 120
 aaatgaactt atggcagggtc taatcaaaaag gctaaatata atttcagaaa aggttctgat 180
 actcttgttt ttgataaagc attttttcaa ctaaccatga attaagatga gtccatttgc 240
 ctcttctgcc ttcactgagg gtttgggtta tacacctcta ctgaattgtg ttaataactg 300
 tttggcagtg tgtactttgt ttttgtgagt catgtctcat gaaatttatt ggaatgttta 360
 atcatatttg ctaagaaaatg tttctgctgt agttggattt gcccatattt atgtaggtgg 420
 ttttaatttt ttaaatgggtg attagtgtta aaaatcaatt taaatcatga ctaatatggg 480
 aaaaagataa agcatcaaaag cagtatttct cattcctgcc tcctcaatat ctaatactgg 540
 gaagatactt caaagaatat tgagattgtc tgaagtttta gttaagattt tcacacatta 600
 atatcaaaaa agtaagttta gtatttgntt ctccatgggt tatttgtaaa gctgtaaaact 660
 gagatatacgg tgactccgta ttatgactcc attagtgagc tgtgggtatgg gtaggatttt 720
 ctacttcttc tgtactttta cctggagact atttttacta agnggcttta taatgggggtt 780
 taaagcattg catttaccaa acaanggaaa atgctgnaaa tattgcatat tttatgnatt 840
 tggaccaaaa ggggtac 856

<210> 1810
 <211> 662
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (584)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (615)

1131

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (629)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<400> 1810

```

tttaaaactat gaaatgagga atgtaatccc ttctataaga tgtataactct ttgttatttg 60
ttgtttaaatt ttggtccttg tattccaact gatgcaaaat tctttttaca aagcactgaa 120
ataatacaga tttttcttca ttgtcagcag gatgagattg tctgaaacga agaataaggta 180
tgatagtttt cttagatttt gcacatcata ggtggcaaag acactatcaa aacataagtt 240
tttaaatgta ctaggaagta ctttgtaaaa ccaaacgggc tgaagaaagt gacaggtaat 300
ttgtgagaat aaaactaaat tattggggta gtgtcttacc tctttgtata tttaaatggt 360
ctgtttttta acatgtaaag gttattttta ttgtttgtag attgtgttag catgctataa 420
atgttagaaa gttcacttac aatctacttt aacttgaaga aagagagaaa tcgggtccaa 480
attgtatagc attgattgca acctagtgtg gcctagtaga atttctgagt tttaaaattt 540
tttaaaataat caaaatgtat ttatttgaat tcatatcctg gaantatata tgtatcttat 600
taaatcttta aaatnattaa atgggcaant gattaatctt taagtccaat tgaaattggg 660
gn 662

```

<210> 1811

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1811

```

tggaaaaagt attttaaaac cttcatcaat ggaaaaagtgg tttgggggttc ctgggtttgac 60
cacgtgaaaag gatggtggga gatgaaagac agacaccaga ttctcttcct cttctatgag 120
gacataaaga gggacccaaa gcatgaaatt cggaagggtga tgcagttcat gggaaagaag 180
gtggatgaaa cagtgtctaga taaaattgtc caggagacgt catttgagaa aatgaaagaa 240
aatcccatga caaatcgttc tacagtttcc aaatctatct tggaccagtc aatttcctcc 300
ttcatgagaa aaggaactgt ggggggattgg aaaaaccact tcactgttgc ccagaatgag 360
agggttgatg aaatctatag aagaaagatg gaaggaacct ccataaactt ctgcatggaa 420
ctctgagcaa gatgtaaata aaattaaaag gtggatggca agagtgcaa tactatcttc 480
aatccttcag tcccagccag aagaatctct gaaagcatat tgtgaatgta tacaatgtag 540
tacaaacaat ctctgtgatg attaacagta tgtcaccact tcatttttta aaaaggatca 600
cgtctaatagc ccattttccc aactattctt tccaaagtaa gatataaggt agcttaataa 660
actaagtaaa acgtaaaaaa aaaaaaaaaa a 691

```

<210> 1812

<211> 615

<212> DNA

<213> Homo sapiens

<220>

1132

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1812
tgggaanaat ctcactcact attttggcaa agctgggtacg cctgcaggta ccgggtccgga 60
attccccgggt cgacccattc gtccgcnnca gcctctctaa gtaggaggcc ccagtgggag 120
agatgggctt tgactctggg gtcaaagtga gataattgga ctatggacag tggctggctg 180
gtcaccaaca atgggtgtttg aaacaaacat ttagaggcca tatttgggct tataaaaata 240
gttctggggc gtgcatggtg gctcacacct gcaatccag cactttggga ggctgaggac 300
agcggatttc ttgagctcag gagttgggag accagcctgg gcaacatggt gatacctgtc 360
tgtctcttta aaataaaaaa aatcaatgaa gttatgtgat gggctcatgg ctacaggtgg 420
agaaaggcag tgcataatgca gcctcctcca tccttgacta aggctgacag agggctgggc 480
ccaccaytgc tcaccctgag gcctcgtctt ctgactcccc tcctttcatt tctaggtggc 540
attggtgarg ctgtgtccaa gagcagtaag tggccaancc tgnccattact gttacccacc 600
tggcagttaa cccgg 615

<210> 1813
<211> 1205
<212> DNA
<213> Homo sapiens

<400> 1813
atttatttgg ctcttgggag ctccactga aagtgtgaa atgtcgtact gacacttcag 60
acttatagct acctagactc caagtaagat ttatctctga ctggagggtt tctcctatta 120
aaaaccaaaag agtgtagggt gccttcacct gctaggtaat cttctatgcc ctaatgggaa 180
gaatgggagc agcagacaag taagtgcagg aaggagaacc aaagctgtgt ccatgccctt 240
gaggaaagag aaattggacc agacaagtgc agtggaaact ttctaattgga tccatcaact 300
tcatcttgtc taagcagagt catagctaga atgtgactga aataggagaa ccacgtccag 360
gggtcagggg ggattcctct gaaatcgcag ctggaacatt tcgtaatagt tctggtactg 420
caccatata tactgtcacc tctactcttt cttccaatca ccattagcag atgccacagg 480

1133

```

attcctactt ctgaaagttt ttgggccccg cagtggcaag accggagaag ccaataaagt 540
ttaaggctac atgttttatt catccacaaa tttggtgaag gaggaaatgt ttacaattct 600
gccatgccat gaataggagt ttccaccgg gtgtacactg ctgttaacaa ggtgtaaata 660
cttgtccagt aaagagaccg tacgtactgc tgatgggacg tcccaacaca atgccagatg 720
caaaaacttc tttggtgatt gcttttgata acactgagtg gctaaaggtc ttctttcaca 780
tctttgcccc cctywaatcc tgaaggcaag gtctctggaa tttgagctgt gccctcacat 840
gcctccaagg caccaacaaa gcaaaatgaa gagtctgcac tgcttatcag ttgacccaac 900
actcagtcca cattggaggg gaaggggtgg tgggctgagg atgtcttctt cctgtccagg 960
atgcaatatg gtcaaggatg aaaggaaaga gatgctggga gcaagtctgc attgaagatg 1020
tatttctgtt gctttactac caaccctggg tataaatgat gaaactataa tgggtctgta 1080
atagctactt tcccatatag ctcttgtctg tacatacata aaattaaaaa waatagaaya 1140
cttcattac taacatgtgg tgacaagcat tcttcattta ccatttttat tccaaaaaca 1200
tgatt 1205

```

<210> 1814

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 1814

```

gcggacgcgt gggcggtctg gtggcttttag acaagtcttt taaccttgcg gtgcttctga 60
tttctcagct gaaaaatgga gatgatgata atggtttctg taaggcctta tgggtgaagca 120
cctagctcag ggcctggaag gcagggtgaa ccagtggttc agttgttata aacgaacact 180
aaccctcgcc ttgtcacctc atgaatccag atatgtagat ggagsgcaca aagctagcag 240
gagccaagct cagctgtgtc ctgcttttaa gcccataacc cttttctccg ggtgacaaac 300
acctgtgctc gttctcttcc cttccccctc tccccctgca tttggctaata aacaggccag 360

```

1134

```

ctgcctgcct ccctgcagtt tggtagatgg gtgggtaatg accaccactc cccacgttcg 420
cctgatgggc ttgttttccg tgcccttcac aggcattctgc aacaggcccc agccaggcct 480
gaagtcattcc tcagaaggga tggatcctga ggtcgccatg cccagctggg caaacatgag 540
tctggattct tccccggagt cggctncctt ggctgtgang ctgganggag atgaactgnt 600

```

<210> 1815

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<400> 1815

```

aaaatgatat actactattg cttgtatat gtgggtatac gtgtcagggt tcaggggttt 60
ttttcaacgt taaatattct agaaactttc tgaaataatt tctgttttaa aatattgaat 120
atthtcttca tttcaaatac tcccttttga caaaaaaact taggtataac tgttgatgaa 180
aaaccagaaa aaagtccaga actcttttgg gactccaact atggatagct tattttgaaa 240
aaggagaatt gcaaatttta ccaaagatg gagaaaagca cattaaaaag ataccaacat 300
tcagaaattc atttcagcag ttattattgg aaatatttaa actaatttag ataactataa 360
gatacttatt gtccatttat acccgtaaag ccgtttttag agtaatatat taggtaatcc 420
aaaagtacta aataaatcat tttagttatg agaaatcttg cttatagaca aagaaaagaa 480
taacaagtgt tcaatgaaaa gatgacatk aamcatttgt atgkcnctct taamctacct 540
attgactata ttaagccttt aatac 565

```

<210> 1816

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<400> 1816

```

ggtctgggga gggacctgaa actatagatt tctgacaagt ttccaggaaa tgctgatttt 60
actgttcagg gaccacactt tggaaccac acaaatagga atctcatgca aaccaaggc 120
acctatcaaa aaatttttcaa ccaagtgatt ctgcatgaca agggccagca gtgctaggga 180
agaaacaaca ttctgttctt tggcccgta gcaatgacca ttgccagagc caaactgaga 240
aragtgggct gtctgttcaa ggaactgaaa tatataatct tancaa 286

```

<210> 1817

<211> 1320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1135

<222> (1304)

<223> n equals a,t,g, or c

<400> 1817

```
gacgggggttt caccatgtta gccaggctag tctcgaactc ctgacctcag gtgatccacc 60
cgctcccgcc tcccaaagtg ctgggattac aggtatcagc caccgtgcct ggcctaataa 120
ttggaacatt ttcacatga aaatgtcatc agctttgcc aagaaacaa ccaattgact 180
tgtktggcgt ttgttttcca ttttcatgtc aattttatgt atacagttag aatacccaag 240
gagaccacta aaatcagtta aacaagtagg gtatatacaa agaaagatga aacccgaaag 300
tacataaaaa ggattttaaat ccgatttttag atgtacctag tgtgtatttc ttatctctag 360
acaagttcat gtttattgtt taatttatgc ccaagtgaag ttgtaaactt atggttcaac 420
tctgacacag aatttgtcac ttgtctgagg tcagtggcag gtttctctgc tgtcaacact 480
ctgtgtcacc caccagatta gtataactat taattcagac tgtactccta tgtttaagat 540
aatttttaca agagctggct gaagcagcac attagtaacc tgacaagatt tctttttyyy 600
ttttcagggg gaaagggtca ccttaaaaaat aaattatttt cagggacttt gggaatctaa 660
tgataaatat tacacataat ctatgaatag cttaatcctt tatatattcc ttaaaatagg 720
aattcctcga catcactcct ggccacactt tccttgccctg tgttggttgc atgtgtattt 780
gaaagtaata tctgcattcc ttttaagatg ttctgtaagt catatttgtc agttatacac 840
agtagtcttc cttttcccca cgttcagtgt aatctcactg aacagtaata atagcaatag 900
ctaacaacat ctgcacagca ccttacagtt tgcaaagaac gttcacacat tctcatttga 960
gttttgcata gtgaacctgt tacgagatgt ctcttgacgt cgatgctaaa agtggttagaa 1020
tctttacatc actagagtca ttgaatatgc tgtagtattg aatagtgcc tgactagggg 1080
gaggatttgg atgtgctgca tttcaagccg tgtataatca tcaaaatggg gggcttgagt 1140
tcttttagcta cttgaatccg atttacttct gttaagtgat gcttttctaa ccgttttctg 1200
gatggatttt gtattcacta tattgtagct tgtaatttgt ataaatgtac catctgatgt 1260
cattaaaaaa agtgtttgtg gtgctaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 1320
```

<210> 1818

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (816)

<223> n equals a,t,g, or c

<400> 1818

```
acaagtcaaa atacagagat gatgtaagca ttgcatttcg tatgtagaga tggtaaaaga 60
tgactatgag gacgattccc atgttttccg gaaacccgcc aatgacatca catcccagct 120
ggagattaat tttggtaacc tccctcgtcc tgggcgtgga gccagaggag gcacccgggg 180
aggccggggg aggatcagga gggcagagaa ctatggaccc agagcagaag tggatgatgca 240
agatgtttgcc cccaacccag atgacccgga agatttccct gcgctgtctt gaaagagccc 300
tgtttcccag caccgcggag ctgcactgca cacctgtggg gagacttttc cagctggggc 360
aagggagtgca gactctaaga acaatagatg ttgcttttcc cgtgtcatgt aaatttgttg 420
cacttttttg ggctgagctg ttagaggggc ttctccagag gctcgagagc aggccatttc 480
ccaagaagat gaagaatggg gactgtgttt ttattgaagg aatttcaa at gaagaataat 540
gttttaaaatg tgtatataga gatagtatag actcctccgc ggaagcatgg agggaaagga 600
ggttgtaaaa tagactccat ggagactcct aggaagcagt agattcccgg gggctgtgcc 660
tttagcggtta gaggaacac atagagctgg aactgttaat ggaaagcagt cacagctgag 720
ttttcggaga ccaagaaatt aaaatacaat tgcacttaca aaaaaaaaaa aaaaaaaaaa 780
```


1136

aactckaggg ggggcccgtg cccaatcgcc ttgtgntgca t

821

<210> 1819

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<400> 1819

gctagtytct agatcgcgag cggccttaat gttatcgaag gagaaatgtg aaacttgagt 60
ttagggttac tgccgaagga agaccaaatt gaatgaaatc tggccttgga attggctgta 120
gattcttcct cctcgaattg ttactgaaaa ggagtcctta aaattgaaaa tgtagcaga 180
gcatttttga gtgttacagg ctttggttaat ttttcattgt agtacctgtt gctggcagag 240
taacttttca gaattgtaag atttgatata aacctgaatt caaggtaaaa tttagtcgtt 300
aaactgcacc tgacgagatt atgtccaanc aggctttata cgtattgcac tgtggaaact 360
tncaaatata 370

<210> 1820

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

1137

<400> 1820

```
ggaggagccc agcagagtc ctgggcagtc tgaccccttt aattgtggac taacttctcc 60
cagaacccat gataaggagt ttctctcctg attgaggata ccaagtgtgt gactgttagg 120
cagagcattg cagcccccatt ttggtgttga tatggaaatt cctaggtcac tatgcagaca 180
agaaaaccag gaccccagga gccagaaaaa cttgctgcaa gtctctagtt tgctcctatg 240
aatgcccctc caccctggaa gaagccctag acagtccctgt cccctctttc ctgggtgcac 300
gtgtcccctg ntgctaggcc tggggcaatc ctggggtggt ttggctggcc cttggggggt 360
gggcttntct cctgccancc tgccacagnt gcaactattct ct 402
```

<210> 1821

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (306)

<223> n equals a,t,g, or c

<400> 1821

```
gattttattg ttacagtga gagagccaac tcacagattt agatgatttt aaagatgcag 60
ttcaaatgag ggaaggatgt aaatactgtt tttcaattag ngaattaaca gttgcaaaaag 120
tgggttactc catagagagc ttgtgatttc atgaaagcca tcaaagagta aacctcttgt 180
atagacagat tccttaattg ggtgtgcgtg ctcacacgtg tgtgtgcaca tctgggtgtg 240
taatatatgt atgtgtacct cagtcctagg gctgtggtaa caaagtacca caanctgggt 300
taaaanagaa atgtattctc acaagtcggg aatcaagggt ttgacggg 348
```

<210> 1822

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

1138

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 1822

```

aattcggcac gaggaactt ccattgctct tcaggacaat tatgagatca gatatacagc 60
tatctctgtt ataaagaatc ttttgataaa acatgcattt gacacaagat accagcacia 120
gaaccaacaa gccaaaatag cacaattgta cctncccttt gttggactac ttttggaaaa 180
tatacagcga ttagcagggtc gagatacctt gtattcttgt gcagccatgc ctaattctgc 240
atccagagat gagtttccat gtggctttac ttcacctgcc aatagaggga gtctgagcac 300
tgacaaagac accgcttatg ggtcttttca aaatggacat ggaattaaga gagaagattc 360
aagagggttc ctcttccag aaggagcaac aggatttcca gatcagggca acactggtga 420
aaatacccga cagaattcta caaggantat tgtatccan tataaccgcc tggatcagta 480
tgaaatcaca acctcctgat gttgctacct gt 512

```

<210> 1823

<211> 940

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1823

```

tcttgattgt gataagcccc cctggaggat atgattcact ttatgtgatt catcttattc 60
acaggctctgt gagggactgc gaanttactc aggaaatgaa aacaaatgat ggatcatgtt 120
cagttttttc cttgaaggac aaccgaacca tagcctctaa agttcaagtg cactgagggtg 180
tcggaacgct gaaagcatga ggaaacgagg acgtaggggtg tgactgaatg gtggctagat 240
tagtgggagc agttcacctg gatgaagatt gagagcatcg tctttgagaa gtgaaagact 300
agcaagaata aaataaatta agtccagtgt ttgagccaag gttgccacct gtctcttaac 360
atctcactga acataagtcc tgagggtatta ggacgacat actgcctctg agctgaaaac 420
attcaaaagt tcacatccct gtttggggga taccattcac cgccttcagc ccagatgata 480
ctttccttta aatctgtgtc tctgtgtgta taacaaagag gaagatggaa acaatgttca 540
tggaactgct tgttgagccc cttgtccac cactcccgcc atctgctgca ggcaggaagg 600
catgtgagtg tacgttttct tccaggagac atcagggtccc ccyggattca aattaagtgc 660
aatattttgc aaacagctct tcttagggaa atctcctgaa ggaaaaaat gtgacagaat 720
gttccatagt ctgagagaat ggaatcgttg agcatttagt acaagtccag tgtgtgtgag 780
cgggacttag gcagctcaag cttgcttttt tttttaagcg tacaattgag tggtttttagt 840
aaattcacia acttggtcaa ccatcaccac tatctaattc cagactcacg ctttttttaa 900
caataaatgt catttcatga aaaaaaaaaa aaaaaaaat 940

```

<210> 1824

<211> 502

<212> DNA

<213> Homo sapiens

<220>

1139

<221> misc feature
 <222> (19)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (73)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (163)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (309)
 <223> n equals a,t,g, or c

<400> 1824
 gtgtctccacc gcggtgcgnc cgtcttagaa ctagtggatc ccccgggctt caggaattcg 60
 gcacgagcac ctncgcagcc ataccagga gaaagtggta gcctgcccc cctgtggggg 120
 catgtttgcc aacaatacca agttcttaga tcacatccgt cgncagacct cattggatca 180
 gcagcacttc cagtgttctc actgttccaa gagatttggc acagagcggc tattgcggga 240
 ccacatgcgc aaccatgtga atcactataa gtgccctctg tgtgacatga cctgcccgt 300
 gccttccctnc ctccgcaacc acatgcgctt tcgtcacagt gaggaccggc cctttaaatg 360
 tgastgttgt gactacagct gcaagaatct tatygacct cagaagcacc tggataccca 420
 cagcgaggag ccagcctaca ggtgtgattt tgagaactgc acttcagtgc scgatccctt 480
 gctctatcaa gtcccattac cg 502

<210> 1825
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (38)
 <223> n equals a,t,g, or c

<400> 1825
 gagtgtgttc ctgtgggtgc ctcagctctt ctactttinaa tttaaccctt aaatatacag 60
 tagtgtggat ggaagctggg gaatgaactc ttgccaacag aagatttata gtcttatgaa 120
 tgagtaaat ctagatcttt ggaggttgat ttagaaagaa cgggtactgtt aaattctgag 180
 tgtttttgtt tcagtggggg ggagttagta atagcttttc cttgtccaat aggaagtggg 240
 taaattgcc aaccactgag atcactattg ttgactcaga ttcaggaata agattagcgt 300
 aggaaagctg tcgagtaacc ctggaattgg ggctgggtgt gattctgttt gctcttggct 360
 ggtgaggagg ctatgagttg gtatagccag tgggtcccagg atcctgaatg tgttgctaaa 420
 ccatatactg ctttccatgg gctgttttta ggggccaggg ttggaggaga tatggtgttg 480
 ggtagcaact tgccctgtaa tagatggaga gctgttttct ccatggctcc tgcagtgtga 540
 gaggtgaggt gccagcttag agaaaattcc agatcctcgt tcatgattct taagcagatc 600

1140

cagattctta agcagatcca gattcttaag cagatatagc a

641

<210> 1826

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<400> 1826

```

tcctccaggt gactctctcn tcctggccag naatagcccc cagacttttt ttaccccact 60
ggggtcaaag tttcccatgg accaaggaaa gaancttgca gcctttcttt aaaagcttag 120
gccctggacc ttggcaccag catcactnct cgctgtattc tattcatcaa aagcacttga 180
aaccaacca gatagtgtca atggggagca tccatgtata gcccgaattt gagacaagct 240
actatccttt aaaagacagg acttgcaagt gatgggaaaag aataaaaaacc cttccacagc 300
catgtctata catattaatt attattttca tctctccccg atatgtatat gttagtttta 360
trtggtgaat aatataaaac catttatttt tttcaaaatt gtagaattga aagaaagggg 420
aataggaggg catgctgaaa aaaaaaa 447

```

<210> 1827

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1827

```

tttttgaatc ttccttaagt ttataaatat ttattttttta aaagaagatg ctgtgcctgt 60
gagaccatac tttttttttt tttttttttt tttttttttt ttttgggtgac tgcaaaggac 120
agagaacctt tccacttttg ccatactggg ttgctaagcc ggagccattt cagctcctgg 180
ctcctcaaga taacggcgag tccagtgcc a tcttgagaa gctccagggg cagggctgac 240
ttttctccta caggaggaac aatgtgggga tctgagggat gggagggaga cttcccccta 300
gagtgggtgt cctgctgggg gctcatatcc agggacccaa aagggggggt gtgtaggagg 360
ttccacattg gaggggctct ctctctcgca gctgtcagag ttgggtcctgg ctgtggcgctc 420
caaacagctt gagggaaaaa gatcctgtct aaccacctca tctactactc aagttctttc 480

```

1141

tgaaggaggg atttcttcag ttaaccatgg acagtgaggt ttctcaccac agtaacttga 540
gtccagggtt agggggagac agatctgtgg taaatctctg acttgggcag 590

<210> 1828

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 1828

ggnaattccc gggtcgaccc acgcgtccgc agaaatgtta caagagtaag aggttcttac 60
ttgtacatag gctttcctgc tgaaaacagg cccctgctgt acagattttg ggtacataat 120
ttagctcttt tagtcaatcc aagagattta agtgaccccc ccccccccggt gttttttttg 180
tttttgtttt tgttttgaat gccatgtaaa ggcttttttg ttaagacctc acttttaaaa 240
ctgccttaag tataaatagt acctttggaa tayatttagt tcatcatttg agctgccttc 300
atactggttt cctcagcctt ccttcagcct gtaatatatt cagcccactg tttaccttgt 360
ctcaataaaa ggtttctaat gccaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaa 425

<210> 1829

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1829

gtattacaaa tcttattgta cgcattttgt actagagaaa aacactgaag cagttgctca 60
aactttgttc aacatcaggg aatttatatt ggagaaaaat cctgcaaatg taatgaattt 120
ggaaaaacat tttttttcaa aaactacggc gtagaaaaaca tgaatttata ttgaaatgtg 180
tttttgcaga tgcagtaagt atgaaaaata tttaatccaa aattgagtct atgtaaatat 240
taaataatatt acagtagaaa taactaaggc actgacactt tagacattac actaaaacag 300
agtgttgagt ataaaaaaat ctataagttg ttagattatt tgtaaataac tttaaaagga 360
gtagaagatt cctttgggag ag 382

<210> 1830

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1830

cagggtcgtt gcacaaatat ggccaattca aggagaaaaca gggcagataa tcccacagag 60
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ctgtgggttaa ttggagctga caagggtcca tgcatagcag atgagattag tcccagctgg 180
acgtttccca gaaatgggcc tgggggtttcc agtaacctct caratrarat cacttgtcta 240
gagatcactc tggaatatgt ctcatataag gcaaggagtc atggaaaactg aatcatgttg 300
agagaggatg ttgtaggaat agaagcttct ggacaaagaa tgaggaagac tctggagatc 360
tagagagtgg ggatttgtga gtgggtttcag gttttgtttt tgtttttctt ctcttggcac 420
ccccaagcac taggcttatt tgctggacag aaatagatct taagtggaga ctgcaagtcc 480

1142

```

ttccgacgtg atgcactgga ggagatgcat gcctggaaaa gctctgccac ttgctggctg 540
ggtggcctgg gaacctctgg gtctcaggct cctcatccat aaaatgggga taataactaa 600
ttctcattaa ataagaaaca caagattgat ttgtggtaag cttataaagt aacaactact 660
cgagaaaata gcctttttaa gaactgacaa ccattgctaa gtgtctaccc taaaaaaaga 720
aataccagag atataagaaa aggtatacgt gcaaaaaaaaa gttcattgtk taatggaaaa 780
tattagaaat atattcaaca aagggaatgt tcagtacccc ctccccacca aa 832

```

<210> 1831

<211> 590

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<400> 1831

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nttcggcaca ggcgaaatca gccatggctt tacttagttc ccaagtacac atcttcttat 60
ccacaaggat gaaactctgt agggctcacc ctgagggtc atgtgtggca ttgagagggg 120
agcagtgacc agaaccacc aaggcccaaca agatgttttg aatgagggaa catttaatgt 180
catttgtag gagatagaaa ccaaataata aaggacaagg accacgctca ttccgtggag 240
aagaggtgaa ctccctctgc tgactatttg gaatggactg aatgaggagg tctctccagc 300
cagaaggagt attgaggtca tcaggcctca gaaaacaatg tacacataat ctcgggctgt 360
gaacaagaga aaggaggggg ggaaacatga aagtcaatct taacaatttt tgcaatacct 420
cttatttgca gaccattgga tttatgttat tgcactctcg gtgtgattta tcgtatgtat 480
ctgatagggt ttatgaattg ttttgagttg taaactccta taccctttat taaaatggac 540
ctaattaagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gtcgtatcga 590

```

<210> 1832

<211> 3266

<212> DNA

<213> Homo sapiens

<400> 1832

```

ggaccagcta agggaggcaa gaagaagaag gatcctaattg ctcccaaaag gccaccgtct 60
ggattcttcc tgttctgttc agaattccgc cccaagatca aatccacaaa ccccggcac 120
tctattggag acgtggcaaa aaagctgggt gagatgtgga ataattttaa tgacagtga 180
aagcagcctt acatcactaa ggcggcaaaag ctgaaggaga agtatgagaa ggatgttgct 240
gactataagt cgaaaggaaa gtttgatggg gcaaagggtc ctgctaaagt tgcccgga 300
aaggtggaag aggaagatga agaagaggag gaggaagaag aggaggagga ggaggaggag 360
gatgaataaaa gaaactgttt atctgtctcc ttgtgaatac ttagagtagg ggagcgccgt 420
aattgacaca tctcttattt gagaagtgtc tgttgccctc attaggttta attacaaaat 480
ttgatcacga tcatattgta gtctctcaaa gtgctctaga aattgtcagt gggtttacatg 540
aagtggccat ggtgtgtctg agcaccctga aactgtatca aagttgtaca tatttccaaa 600
cattttttaa atgaaaaggc actctcgtgt tctcctcact ctgtgcactt tgctgttggt 660
gtgacaaggc attttaaagat gtttctggca ttttcttttt atttgtaagg tgggtgtaac 720
tatggttatt ggctagaaat cctgagtttt caactgtata tatctatagt ttgtaaaaag 780
aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg gcgttgaggc tgtgggggaa 840
atgccttttg ggagaggctg tagctcaggg cgtgcactgt gaggctggac ctgttgactc 900
tgcagggggc atccatttag cttcaggttg tcttgtttct gtatatagtg acatagcatt 960

```

1143

```

ctgctgccat cttagctgtg gacaaagggg ggtcagctgg catgagaata tttttttttt 1020
taagtgcggg agttttttaa ctgtttgttt ttaaacaac tatagaactc ttcattgtca 1080
gcaaagcaaa gagtcactgc atcaatgaaa gttcaagaac ctctgtact taaacacgat 1140
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taaacagtat tacattttta aaactcttct ctattataac agtcaatttc tgactcacag 1260
cagtgaacaa acccccactc cattgtattt ggagactggc ctccctataa atgtggtagc 1320
ttcttttatt actcagtggc cagctcactt agggctgaga tgaaggagag ggctacttga 1380
agctactgtg tgattttgtt tgtgtctgag tggcattcag atgaagtctg gaggagttag 1440
gagaacgaca taggcaaggc tcagcagcct tccaaggtat aggaagggtg gtgattagga 1500
ctgaggctat ctaggtttta cttttgtccc acctccacc cctattttgt ggggccaaat 1560
gcattgctaa acagcaattt cagagtgtat ggtgtgtcaa aaattaaggc cttattgktt 1620
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catttggggg cttgagcctg ctgctggctc cctggatgcc agtgagggtg tgtgggatgg 1740
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aaggaagatg ataggctcca tcttgggcca cctgagctat agggcaggct aatggaatca 1860
accatttctg agcactaaat gtatcatgaa agtttgaatg gctgtctcat aggttttagct 1920
cattcactgg aaatgtagat tgatgttcaa tgttaaactg gaaggagctt ggtttgtgtg 1980
tcagtgggta tattagtggg tagtgtaaca ttttatccag gttgggggtg ggggagatgg 2040
ccacagtagc aagtgggtgac actaaatacc attttgaagg ctgatgtgta tatacatcat 2100
tactgtccgt agcaatgaag gatacagtac tgtgttgtgg gtgagtgttg ctattgcccc 2160
gcattaatat ttgggtgtgt atgtttgagg ctatgaaaca cgcaggagtg tttttgtgct 2220
attaatttta agagaaagca gctttttctt aaaattcact gttgagaaac ttgcatgtct 2280
ggaggcgggt tcctctccgc cctgtcgggt cctggatgag tacgagttaa ggtcacggtc 2340
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ttaagtgtg cgcgctctat tcataactag atgtaccaac cagggaaggg ccaaggatgg 2700
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gtccattagc tggggcagca agatcactac tcaacgtttt cacactgtgg caagattgct 2880
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gtctgtgtct cctgtgtgtg tctgttcttg tcacaaatgt atttggggac gttggatgca 3180
ttcattttct gtaataaagt ttcttaatca ctcttcccaa aaarwaaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaa 3266

```

<210> 1833

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (848)

<223> n equals a,t,g, or c

<400> 1833

1144

```

agattcattt ttccatttaa atttcagttt cttggatcac tgaatatggg aagggagagc 60
ttcactaatt agacgcagct tcttaagaac ttatattctc tttgacatac atctcaacaa 120
aaaaaaaaatc taactgaaga actaagttga ttttttattt gccataaacc aagcaaaaagt 180
aaatgcaata atttcgagat ttatggtaaa caaatttgag gtatggataa atctttcaca 240
tatttttttat tgctcttttag taaagaaaag cacaagaaag aaaatatcca gctctcttgt 300
gttatctcag tgtggcgact gcagaaaatt gacaatgcct gcctgtgtaa atgtatggct 360
tactgtcaaa gcttcattct tggctgcatg ttgaaaatgt gattaaagtt aatagaggag 420
atgaaaawaag tatttgagat ttttttcaat aacactgaac ttctgccaac tttctctatc 480
cgctactgta ggcttgacag gctcatcaat catttgctgg tacctggact aaaaagcgca 540
cttgctgaca ccaaggcatg ttggaatttt ctttaattcag tggatggaaa aagaaatact 600
tccaaaaata tcccacacat gaaaaggagg gggagcctta aatgaaaatt ccctttgtac 660
cgtagacact ttttggaatg cgattaattg ccaacacatc attgaacgaa tgctgtaacc 720
aagaaattaa gattgtgtgt gtgaaggga tatattctta actgtggcta cccaacttgt 780
atagcaaaaga tttctgatag tttgtgttca tctcatgtga ataataaata ctttacccta 840
aaaaaaaaaa aaaaaaag                                     858

```

<210> 1834

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<400> 1834

```

ataaagacat gtgaccttct tgggtggtat actggcaatt tttaaaatat ctgatttatt 60
gtcagctcac cacatgatgt gatatttggt catgttgaag tagtgtgaaa gtaggcacat 120
tagtatgaaa gtatttctat taaagctgna attgctataa taacactaaa tctgtgtgtg 180
gcatggaata actagatggg tttaagaaag tactttcttt ggaagattgg gagaaagtac 240
tttaatttaa acattaaaaa gatttggtaac tgctattttc aacagcagtc cccttan 297

```

<210> 1835

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1237)

<223> n equals a,t,g, or c

<400> 1835

```

acaagatggc caaagggtgct aaagagattg atatcgagc gaccctggag cacttgagtt 60
cgcgctgaca gccagtggct gaggaggtga acgccatcct caaggccctt cccagtgag 120

```

1145

```

cggcagctca ggggcctcag gggagccccc accccacgga tgttgtcagc ccaagcagag 180
tgattcaggg gctccccggg ggcagacacc tgtgyacccc atgagtagtg cccacttgag 240
gctggcactc ccctgacctc acctttgcaa agttacagat gcaccccaac attgagatgt 300
gtttttaatg ttaaaatatt gatttctacg ttatgaaaac agatgcccc gtgaatgctt 360
acctgtgaga taaccacaac caggaagaac aaatctgggc attgagcaag ctatgagggg 420
ccccgggagc acacgaaccc tgccaggccc ccgctggctc ctccaggcac gtccccggacc 480
tgtggggccc cagagagggg acatttccct cctgggagag aaggagatca gggcaactcg 540
gagagggctg cgagcatttc cctcccggga gagatcaggg cgacctgcac gcaactgcgt 600
gagcctggaa gggaagttag aaaccagccg accggccctg cccctcttcc cgggatcact 660
taatgaacca cgtgttttga catcatgtaa acctaagcac gtagagatga ttcggatttg 720
acaaaataac atttgagtat ccgattcgcc atcacccctt accccagaaa taggacaatt 780
cacttcattg accaggatga tcacatggaa ggcggcgcag aggcagctgt gtgggctgca 840
gatttcctgt gtgggggttca gcgtagaaaa cgcacctcca tcccgccctt cccacagcat 900
tcctccatct tagatagatg gtactctcca aaggccctac cagagggaac acggcctact 960
gagcggacag aatgatgcca aaatattgct tatgtctcta catggtattg taatgaatat 1020
ctgctttaat atagctatca tttcttttcc aaaattactt ctctctatct ggaatttaat 1080
taatcgaaat gaatttatct gaatatagga agcatatgcc tacttgtaat ttctaactcc 1140
ttatgtttga agagaaactc cgggtgtgaga tatacaata tatttaattg tgtcatatta 1200
aacttctgat ttcacaaaaa aaaaaaaaaa aaaaaanccc gggggggccc ggaccatt 1258

```

<210> 1836

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1836

```

cagaatttac ccctgacgcg gcggcgggccg acgggaagct gtgtgtgctt aggtcgtggg 60
ggccccggty gtgggtgggct ccgggcgggc tcgcgtcatc ctgccccgcg tgcgatgcat 120
ccgcggcgcc cggacggatt tgatggcttg ggctaccggg gtggtgcccc ggacgagcag 180
ggctttggcg gcgcttccc tgcaaggctc ttcagcaccg ggtcggacct gggccactgg 240
gtgacgactc cccagatat ccccggcagc cgcaacctgc actggggcga gaagagcccc 300
ccctacggcg tgcccaccac ctccaccccg tacgaaggcc ccacggagga acccttttcc 360
agtggcgggc gcggcagtgt gcargggcag agcagtgaac agctgaatag atttgctgga 420
tttgggtattg gacttgcaag tctctttaca gaaaatgtat tggcacatcc ttgcattgtt 480
ctacgccgcc aatgtcaggc taattacat gctcagcatt accatctcac tccattttaca 540
gtcatcaata ttatgtacag tttcaacaaa actcagggac ctagagccct gtggaaagga 600
atgggaagta catttattgt ccaggagtc aacttggag cagaaggcat aattagttaa 660
tttacacctt tgccaaggga ggttttacat aaatggagtc ctaaacaat aggagaacac 720
cttctactga aatccctaaa cttacgtggt ggcaatgcct t 761

```

<210> 1837

<211> 925

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

1146

<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<400> 1837
aagacattgg accagagtgg agacgcgccc ttgtccccgg gagggggcgg ggcagcctcg 60
ggctgcggct cgaggccacg cccccgtgcc cagggcggggg ttcggggacc ggnntgccgg 120
cctcccttcc cctatggact cctcgacccc cctcctaccc ctccccctgc gcgctcgagg 180
acctcgctgg agccgggtgcc ttacacagcg aacgcgggga ggggcagggc cccctgacac 240
tgcagcactg agacacgagc cccctccccc agcccgtcac ccggggccgg ggcgaggggc 300
ccatttcttg tatctggctg gactagatcc tattctgtcc cgcggcggcc tncaaagcct 360
cccacccac cccacgcaca ttcttggtcc ggtegggtct ggcttggggg ccccccttct 420
ctgtttccct cgtttgtctc tatcccgccc tcttgtcgtc tctctgtagt gcctgtcttt 480
ccctatttgc ctctccttcc tctctgtcct gtctctctct gtccctcggc cctccctggg 540
tttgtctagt ctccctgtct ctccctgattt cttctcttta ctattctcc cgggcagggtc 600
ccactggaag gaccgactc tcccaaataa atccccacac gaacaaaatc caaaaccaa 660
tccccctcyc taccggagcc gggaccctcc gccgcagcag aattaaactt ttttctgtgt 720
ctgaggccct gctgacctgt gtgtgtgtgt gtgtgtgtgt gttgggggag ggtgacctag 780
attgcagcat aaggactcta agtgagactg aaggaagatg ggaagatgac taactggggc 840
cggaggagac tggcagacag gcttttatcc tctgagagac ttagagggtg ggaataatca 900
caaaaataaa atgatcataa tagct 925

<210> 1838
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<400> 1838
ggcagcagggt tgaaaataac acattaggaa gtccagctgc ctgagagctt ttagagcatc 60
tcaaacctac ttattggttt tctgcccacc ttcatgtgaa gtttgccgcc ttgatgcagc 120
atcaggcaaa ggataaagga cagacagcca gagcaaccaa atttttagcc ttggacaaat 180

1147

```

gcttaccaca tagagatttt cttcagatat tagagataga acatgacccc agtgctcctg 240
attacttgga atatgatatt gaatggctca ctattctcag ggctacggat gatcttatta 300
atgtgactgg gcgcctgtgg aatatgccag aaaataatgg cctgcatgca aggtgggatt 360
atagtgcac agaagaagg atgaaagaag tattggaaaa attgaatcat gatctcaagg 420
ntccatgtaa ctttagtgta acagctgctt gttatgatcc tagcaagcca canacacaaa 480
tgcagctgat tcataggatc aatcctcana caactgaatt ttgtgoccaa cttggcatca 540
ta

```

<210> 1839

<211> 442

<212> DNA

<213> Homo sapiens

<400> 1839

```

tgcctataaa attacactgc ctccaattat gaaattcagg gatcttgtac ataattctaa 60
gtttgggaca gaaatttaca agcgatttct catatataca tacatttata tatgtacatg 120
ttacatatat ttagatgtat tctcatatac atatgaaaat atttatgatg aatagaatta 180
taagatatgt atgtatcttg cactgaatca taatttgaaa tatttcatga attcatttac 240
ttctattgac tcccaaaatt ctaackgcaa gctagcttca gaacctgtga gaaccccacc 300
ccacccaagc agctgcctag atttgtctac tgctatcatt ttgtgtaaag cagttgttct 360
aacttgaatg agtctagaat tcatcattaa gattgtgata tttatagagc atccaatgtg 420
gagatcatga tactttaaat at

```

<210> 1840

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<400> 1840

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ttaccctcac taaaggggnc aaaagctggn gctccaccgc ggtgacgacc gctctagaac 60
tagtggatcc cccgggctgc aggaattcgg cagcagccca gctcaccgc tgctcagctgg 120
ggtcctgctc tgggtgggagg aagaggctca gacgcttccc tgccctctcg cctcaaccam 180
ctcgargcag cggctcccag gatgtgcamt ttgacgacta aagctgagcc ggcgccgcac 240
gaccttgggc ggggtggctcg cctctgccct gagcaggaag tagaaagtct cagcagaccc 300
ttcctgaggg ccgagcaaca gtgtagtggc gtattccaca tagcaaacag ttttctgaag 360
ctcagaggga caccttgtat tgctggatga taaaaacagg agcaaagtga tgaagtgctg 420

```

1148

acaaggcaac aatagaacat gagagattca ctgctgtgta ggaagagatc ttcggtgacc 480
atgtagcctg aagctctcat tttgtcaatc gaggg 515

<210> 1841

<211> 1027

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1022)

<223> n equals a,t,g, or c

<400> 1841

ccacgcgtcc gagccttcgc cggcgtcccg acccgaggcc ggacccgagg ccagtcccgc 60
cgctgcgcag ccgaagccag tgcggggcct gagagggacg cgcgccccgg ggcccccgcc 120
gcgggcacca tgggcgctgc ccactccgcg tctgaggagg tgcgggagct cgagggcaag 180
accggcttct catcggatca gatcgagcag ctccatcgga gatttaagca gctgagtgga 240
gatcagccta ccattcgcaa ggagaacttc aacaatgtcc cggacctgga gctcaacccc 300
atccgatcca aaattgttcg tgccttcttc gacaacagga acctgcgcaa gggacccagt 360
ggcctggctg atgagatcaa tttcgaggac ttcttgacca tcatgtccta cttccggccc 420
atcgacacca ccatggacga ggaacagggtg gagctgtccc ggaaggagaa gctgagattt 480
ctgttccaca tgtacgactc ggacagcgac ggccgcacatca ctctggaaga atatcgaaat 540
gtggtcgagg agctgctgtc gggaaaccct cacatcgaga aggagtccgc tcgctccatc 600
gccgacgggg ccatgatgga ggcggccagc gtgtgcatgg ggcagatgga gcctgatcag 660
gtgtacgagg ggatcacctt cgaggacttc ctgaagatct ggcaggggat cgacattgag 720
accaagatgc acgtccgctt ccttaacatg gaaaccatgg cctcttgcca ctgaccacc 780
gccacctccg cggagaaaact gcactttgca atggggccgc ctccccgcgt agctggagca 840
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gcaccttggtg tcttgtaggg tatggtatgt gggacttcgc tgtttttatc tccaataaaa 960
aaaaaaaaaa ggtttgttaa waaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
anggggg 1027

<210> 1842

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 1842

atcttgtggr akgttttaca gacaagttag ccaagacaca gataagttag gttacggggc 60
aaagtaatac agtgattgag cagtggagct gaaggagatc caggcagctt gactggcaga 120
gcctttttct tcaccacgac atgggcagag gttagagagt tttgccacac tggcggtcga 180
gtgacacatc aaggagggat gtggttgacg caggctaaag gccataggaa gggaggagct 240
ggagactcca gggtcgcagc caccttggtg ggctgggggtg gggcaggagg ccgcagcaac 300
agagacgggg tgggattgaa gaagtctttt ttttttctnt ttttttaaca aaagaaatag 360
aacttgtcta tatgctgggg tktgggaaag gagcaagtag atggagagag gctgaagata 420

1149

cttgcttctg gggaggagct ggag

444

<210> 1843

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 1843

```
gcctatttga atggaatcct gctctttgga catatgctga agatatttct tgaaaatggc 60
gaaaatactt accaccccca aatttgctca tgctttcagg aatctcactt ttgaagggtg 120
tgacggtcca gtgaccttgg atgactgggg ggatgttgac agtaccatgg tgcttctgta 180
tacctctgtg gacaccaaga aatacaagg tcttttgacc tatgataccc acgtaaataa 240
gacctatcct gtggatatga gcccacatt cacttgggaag aactctaaac ttcctaataa 300
tattacaggc cggggccctc agatcctgat gattgcagtc ttcaccctca ctggagctgt 360
ggtgctgtcc tgctcgtcgt ctcctgatgc tcagaaaata tagaaaagat tatgaacttc 420
gtcagaaaaa atgggtccac attcctcctg aaaatatctt tcctctggag accaatgaga 480
ccaatcatgt ttagcctcca gatcgatgat gacaanagac ganattccat ccagaagact 540
acaacagtgc                                     550
```

<210> 1844

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1844

```
caattgcagg tgtccatgcc tcccacacat ggggacctag tgggttttga cagcgtgggtg 60
tccagtccta gcccctcag tgcttgctgt tcacacttaa gcaagtraag gcctgaagggt 120
gccagctgt gccctcagg gaaacttaag tcacccgccc tgtcagcact tggcccttgt 180
cgggcagtga gagtggagct gcccgcag accctcagga gccatgcagt tcacagcagt 240
agctggatyt ccctgaggac atttgcctt gcatacttta atgatttgtc cacagaaaca 300
ccgggttgtc ttcctctgcc cctcct                                     326
```

<210> 1845

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

1150

<220>
 <221> misc feature
 <222> (532)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (561)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (570)
 <223> n equals a,t,g, or c

<400> 1845
 cgaaattaga aaaggtgatg aatttgaggg aaggggaatt ggctgcacct gtttctgata 60
 tgttcagaag cttaatgaat ataatttctt aatttaaata aactgtttga ttgagaaaag 120
 aggtagccac attattgttt agaaatgata gactgtttatt gacttttggg gtagctggga 180
 agctggagaa gaggtagtat gtagtttgct tttgatttca aaatgccacc tcttctgatt 240
 ccagatacaa ttatcttttg gcacatttcc taattagcat taggttctta taaatgaaat 300
 tttattttac acacagtttt taatggaact tacttttgaa catcacgaaa gttatctcta 360
 gcccttttca tgccttargt gctgatracc attccgttta tcataagcta tgcatttagt 420
 ctcagcttcc tagtgggaag taaaactcat agncaattct ctcagtcac catggatata 480
 tagctagggt ggggccagat gatttgaaaa ttaacatatt gttatttagg gngccttggt 540
 tttcatttta aggtggtttc nggcatectn gtttgaa 577

<210> 1846
 <211> 732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (190)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (194)
 <223> n equals a,t,g, or c

<400> 1846
 cagcgatttc tgaactgaac gcaggcaagg gacgcgagag acaaatttta caggaaacca 60
 ttcacaactt tcaactcttc tttgagagca gtgccagcaa caccagggcc cctggcaaca 120
 gccctgtgc gtgatcctcc ttccgcagc caccarcca tggttggtg ggtgaggcca 180
 gaagaaactn cctncggcaa gaggtagcag ccgctcaggt ggytctstg gcacggagc 240
 ccacagaagt raggagtggc cgatggacct gccctccaaa tgtgcctgac tctgggtctt 300
 gctgtcactg gatttcctgg catggcagac agaaagaaag atagtttgac caagtcgtag 360
 aagctgatcc agcgggtaaa aagggggcag ggaactcgtc ccttttattc ttgcctcaga 420

1151

```

gctgcctgaa gacatgggcc aggccggagg ctggacaact ttggataacg ctgacctgta 480
cttccaagta aatgcctcct gaagagcccc ggacccttcc tgggagaatt ctgcagccag 540
aatgaagggtg ccatcagcag gaggcactgt gaagcaccat cctgtcgtg tccttgtcca 600
ttcctagcaa gttaatcgtg tcttgtaac cagcagttcc tgttcaacgt gtaaagagac 660
ctgatgtttt ccctaataaa gctgataaca gattttgcag gaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaag tc 732

```

<210> 1847

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 1847

```

gcgggctctg agtgcctctk cccgtccggc cccagccgcg gcccgggaat ctacgtcacc 60
cgaaaaagcga ctataaacgc cggcgccctcc gtccccagcc gcggctcggg aatccacccg 120
aagagtggct ataaacgtcc gcgcctccat tgcgtctcc tcttcaacta ggacactggg 180
cctcccacgc ctgacaccga cgtcgccagg accgcggggg tggggggaact tggctgtccc 240
acgtcttttca aataaaagctg ttttgtctaa ctcaaaaaaaaa aaaaaaaaaa aancgagttt 300
tttttttttt ttttna 316

```

<210> 1848

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

1152

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<400> 1848

```
cgagcagtag cgngaagnca gacgnacgta tagggaaagc tggtagcct gcaggtagcg 60
gtccggaatt cccgggtcga cccacgcgtc cgggagaagt gctcttttct acttgtgggg 120
tctcccattg gaaacataat cctatagtc cagaaggatt cagtccccag tggctttccc 180
atccaaagag aaagagtttg agtttcttaa ctctgctgtt ctgccactta ctcccactag 240
acaaccaggg acaaggtgca acatggaagt gtttgactta agtaggagca gaggagctgc 300
atctaatactc atcatacctg gaacttgaca cacttaagca aatgccttcc catccctacc 360
tgccagatgc ccccaactca atgaagtgg atgtctcacc agcttgatac ctttgaatt 420
ttcagtcaga cattctggag ttctagcatc ctgtacctag gaccttctc tgtgtcactc 480
ttggcctcct aaactctaag aaaataacta tattctggag ctgggcaggt gtgttttgca 540
taatccagca atctcctcat gacatgcatg tnttgatagt cctgaaacat tcattgagag 600
ggtaaatgca gttgacctag aatgaccaat accaaacaga attttaagaa caggtggcca 660
actcctatgg agcttactca catattacta ttcttttaag aacggaaaag taaaatt 717
```

<210> 1849

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 1849

```
gggacgagga agccaaggac gaaaaggcag agccaacag ggacaaatca gttgggcctc 60
tccccaggc ggacccggag gtttcagaca ttgaatccag gattgcagcc ctgagggccg 120
cagggtcac ggtgaagccc tcgggaaagc cccggaggaa gtcaaacctc ccggtcttt 180
atgaggggac tctgagcctc tgctctgagg atctgaaaca cacacacctc gacagtgtaa 240
aatccaaaag gagccgcctg aatcatgttg cctcatgtgg aaatcttagt ccgccccac 300
gtgaagatgg atgtgactag aacggagggc gccggaagct yacatyanar garctgctca 360
cgt 363
```

<210> 1850

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<400> 1850

```
gtaaaaatga gacgaccacc tctcggatta aaaaaaaaaa gtgccagagt tctagggttc 60
taagtgatgt ccaggaagga ggaggaataa tatttatgga gcatatatta tggaacacag 120
tgagtatagt acctgccttt aaatgaatac tgttggtttt ttaggacagt tgcttttttt 180
```

1153

```

tcttttttct tcagctgtgt gcagttgatt aacttgtaca gagcctatca cacaatagat 240
gtttaagaaa tattaagtga atgaatgagg cagcattgct aatttttgta tagtgagaca 300
gtatctcaca gtccaggctg gagttcagtg gcattaacat aactcactgc agccttgaac 360
acctgagctc aaacgatacct ttcaccttat cctccagagt agctgggact acagtcgcgt 420
gtcaacatgc ctggctaatt ttagttttct aattttttta gagttgggat ctactatgt 480
tgcttagact ggtcttgaac tcctggnctc atgccatcct cttgcctcag ctggta 536

```

<210> 1851

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1851

```

gcttgacctg cggcagtgca gcccttgggga cttccctcgc cttccacctc ctgctcgtct 60
gcttcacaag ctatcgctat ggtgttcgtg cgcaggccgt ggcccgcctt gaccacagtg 120
cttctggccc tgctcgtctg cctaggggag ctggctcgacg cctaccccat caaaccggag 180
gctcccgagg aagacgcctc gccggaggag ctgaaccgct actacgcctc cctgcgccac 240
tacctcaacc tggtcacccg gcagcgggat gggaaaagag acggcccgga cacgcttctt 300
tccaaaacgt tcttccccga cggcgaggac cgccccgtca gtcgcggtaa aagcgcccg 360
taccacacat cctgcatccg agagcgcggc ctggccctac cctggcaaca tcatttaacg 420
acgtctccca ggctcgcctc cccagatcca attcttncct tcgttncgca gtcggagggc 480
caaactgtgg tgaggaccct gaggctctgg gagnctgcca acagccagtc atttga 536

```

<210> 1852

<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (903)

1154

<223> n equals a,t,g, or c

<400> 1852

```

ctatcagacg atgaattgaa acacctcatt ctcagggcag cagatggatt tttgtttgtg 60
gtaggatgtg accgagggaa gatactcttt gtctcagagt ctgtcttcaa gatcctcaac 120
tacagccaga atgatctgat tggtcagagt ttgtttgact acctgcatcc taaagatatt 180
gccaaaagtca aggagcagct ctctcctct gacaccgcac cccgggagcg gctcatagat 240
gcaaaaagat gaagtgtaac aggccttcag taaargttga agacaaggac ttccccyctw 300
cctgctcaaa gaaaaaagat cgaaaaagct tctgcmcawt ccacagcaca ggctatttga 360
aaagctggcc mcccacaaag tggggctgga tgaagacmac gaaccagaca atgaggggtg 420
taacctcagc tgctctgtcg caattggacg actgcattct catgtagttc cacaaccagt 480
gaacggggaa atcaggggtga aatctatgga atatgtttct cggcacgcga tagatggaaa 540
gtttgttttt gtagaccaga gggcaacagc tattttggca tatttaccac aagaacttct 600
aggcacatcg tgttatgaat attttcacca agatgacata ggacatcttg cagaatgtca 660
taggcaagtt ttacagacga gagaaaaaat tacaactaat tgctataaat ttaaaatcaa 720
agatggttct tttatcacac tacggagtct atgggttcagt ttcatgaacc cttggacca 780
ggaagtagaa tatattgtct caactaacac tgttgttttg tccagagtgg acaccggaca 840
ccttgggcaa gttgaaaggt gcacagttct gaggcaggcc tgacttcacg tttccttatt 900
gcntgggatg ttcacagagc caacgtctg gaaggcgggg acccaacctt cccacagctc 960
acagcatccc cccacagcat ggacagcatg ctgccctctg gagaaggtgg cccaaagagg 1020
acccacccca ctgttccagg gattccaggg ggaaccgggg ctggggcagg aaaaataggc 1080
cgaatgattg ctgaggaaat catggaaatc cacaggataa gaggggtcat gccttctagc 1140
tgtggctcca gccattgaa catcacagat acgcctcccc ctgatgcctc ttctccagga 1200
ggcaagaaga ttttaaagtg agggactcca gacattcctt ccagtggcct actatcaggc 1260
caggctcagg agaaccagg ttatccatat tctgatagtt cttctattct tgggtgagaac 1320
ccccacatag gtatagacat gattgacaac gaccaaggat caagtagtcc cagtaatgat 1380
gaggcagcaa tggctgtcat catgagcctc ttggaagcag atgctggact ggggtggcct 1440
gttgacttta gtgacttgcc atggccgctg taaacactac atgttgcttt ggcaacagct 1500
atagtatcaa agtgcattac tgggtggagt ttacagtctg tgaagcttac tggataagga 1560
gagaatagct tttatgtact gacttcataa aagccatctc agagccattg atacaagtca 1620
atcttactat atgtaacttc agacaaagtg gaactaagcc tgctccagtg tttcctcatc 1680
attgattatt gggctagctg tggatagctt gcattaattg tatatttttg attctgtttg 1740
tgttgaattt tttaatcatt gtgcacagaa gcatcattgg tagcttttat atgcaaatgg 1800
tcatttcaga tgtatggtgt ttttacacta caaagaagtc ccccatgtgg atatttctta 1860
tactaattgt atcataaagc cgttttattct tccttgtaag aatcctttac tataaatatg 1920
ggttaaagta taatgtacta gacagttaaa tatttttaat aaatgtttcc cttgttctat 1980
aaaaaaaaa aaaaaaaaaa aaaaa 2005

```

<210> 1853

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1853

```

gtggacgcgt gggcggacgc gtgggacagg atgggagctt tgatgggtgga ggccgaaaga 60
aagatcccgag gcaggagaga caattgaagc aaaggccttg agttgagaat tggccgtgcc 120
ctcatccttt cctgtttcct ttttgttttg gcaatgaaaa gagcatggac tttgggggtg 180
gatgtgcctg cattcaggtc ttgacactgc tgtattaccg ctcccaattt cttcatgaaa 240
caagattaac agtatcactt gtatcagtta gggtttgttg gttatgagca acctaaacct 300
actctggcta acttaaacat aaaaggaatc tattgggata tattgacctg ccaagcctca 360
gaaaggacag gaatcaggga agcttcagag acctaagagg cagcagctga tagtatcttc 420

```

1155

```

agagtgctgc tgtcagaata aacctacaag ggckgttttc tctccttgtc ccaaccagat 480
caaggttcag attcctgaga aagaacctcc gtggtttagga agaacacaag cacattgatt 540
gacagcacta ggggaggtgt tgttcc 566

```

<210> 1854

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<400> 1854

```

gantaccgtt tctcgagtcg gggcattgta caagcgcgctc ttgcagctgc accgtgttct 60
gcccccgac ctcaaatccc tgggcgacca gtacgtgaaa gacgaattta ggagacataa 120
gaccgtttgt tctgacgagg cacagcgttt cttgcaagaa tgggaggggt ttaagtgcct 180
aaagtcaggg agagaaaaag agacagtatt taaggaattt aagatcttga agtggaaaag 240
gcctanaaga 250

```

<210> 1855

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1143)

<223> n equals a,t,g, or c

<400> 1855

```

ggctaaataa gctatcgggc ccataccccg aaaatgttgg ttataccctt cccgtactaa 60
ttaatcccct ggcccaacce gtcacttact ctaccatctt tgcaggcaca ctcatcacag 120
cgctaagctc gacttgattt ttacactgag taggcctaga aataaacatg ctagctttta 180
ttccagttct aacccaaaaa ataaaccctc gttccacaga agctgccatc aagtatttcc 240
tcacgcaagc aaccgcatcc ataatacctc taatagctat cctcttcaac aatatactct 300
ccggacaatg aaccataacc aatactacca atcaatactc atcattaata atcataatgg 360
ctatagcaat aaaactagga atagccccct ttcacttctg agtcccagag gttacccaag 420
gcacccctct gacatccggc ctgcttcttc tcacatgaca aaaactagcc cccatctcaa 480
tcatatacca aatctctccc tactaaaacg taagccttct cctcactctc tcaatcttat 540
ccatcatagc aggcagttga ggtggattaa accaaaacca gctacgcaaa atcttagcat 600
actcctcaat taccacata ggatgaataa tagcagttct accgtacaac cctaacataa 660
ccattcttaa tttaactatt tatattatcc taactactac cgcattccta ctactcaact 720
taaactccag caccagacc ctactactat ctgcacctg aaacaagcta acatgactaa 780
cacccttaat tccatccacc ctctctccc taggaggcct gccccgcta accggctttt 840

```

1156

```

tgcccaaatg ggccattatc gaagaattca caaaaaacaa tagcctcatc atccccacca 900
tcatagccac catcacccctc cttaacctct actttctacct acgcctaatac tactccacct 960
caatcacact actccccata tctaacaacg taaaaataaa atgacagttt gaacatacaa 1020
aaccaccccc attcctcccc acactcatcg cccttaccac gctactccta cctatctccc 1080
ctttttatact aataatctta taaaaaaaaa aaaaaaaaaa tcsagggggg gcccggtacc 1140
canttcgccc tatagttag 1159

```

<210> 1856

<211> 936

<212> DNA

<213> Homo sapiens

<400> 1856

```

ggcacaagac caaaactcca aatgcacgga cactgacctc aacaggaatt ttaatgcttc 60
atggaactcc attcctaaca ccaatgaccc atgtgcagat aactatcggg gctctgcacc 120
agagtccgag aragagacga aakctgtcac taatttcatt agaagccacc tgaatgaaat 180
caaggtttac atcaccttcc attcctactc ccagatgcta ttgtttccct atggatatac 240
atcaaaactg ccacctaacc atgaggactt ggccaaagt tgcacagattg gcaactgatgt 300
tctatcaact cgatatgaaa cccgctacat ctatggccca atagaatcaa caatttaccc 360
gatatcaggt tcttcttttag actgggctta tgacctgggc atcaaacaca catttgacct 420
tgagctccga gataaaggca aatttggttt tctccttcca gaatcccga taaagccaac 480
gtgcagagag accatgctag ctgtcaaat tattgccaag tatatcctca agcatacttc 540
ctaaagaact gccctctgtt tggaataaag caattaatcc ttttttgtgc ctttcatcag 600
aaagtcaatc ttcagttatc cccaaatgca gcttctatct cacctgaatc cttctcttgc 660
tcatttaagt cccatgttac tgctgtttgc ttttacttac tttcagtagc accataacga 720
agtagcttta agtgaaacct tttaactacc tttctttgct ccaagtgaag tttggaccca 780
gcagaaagca ttattttgaa aggtgatata cagtggggca cagaaaaaaa atgaaaaccy 840
tcagtttctc acagattttc accatgtggc ttcatcaatt tatgtgctaa tacaataaaa 900
taaaatgcac ttaatgcttt aaaaaaaaaa aaaaaa 936

```

<210> 1857

<211> 534

<212> DNA

<213> Homo sapiens

<400> 1857

```

gcagtgcctg atattgttwt aaattatthy cattttaaac aagatgcctt ctaagctatt 60
gagcttatta aaaataatth tacatgttta cttagtggga gcaaaaaataa gtctatttta 120
acaaatagct ttgtttttgc atgctaattg cagaaaggca tacgatgcac attatgctgt 180
tttaaagggt ttaccaccct tgtaaaaaact ataactctta atgggttttat ttgctgttac 240
acaaacaaca ctacataaaa catTTTTTcc taaatggtac aaatttataa actatcattt 300
ttcacttacg gtattttgta atactacact acaaaaatca gctttctgag aaagaaataa 360
tcattttatt atgatattga aaatttctac agtaaacact caaaaccaag caaaaaacat 420
ttgtaagata cacggtatct atttggagca acggtttttg taactaatgt gtttcatttt 480
ttaaataaag acaactaaaa ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 534

```

<210> 1858

<211> 1730

<212> DNA

<213> Homo sapiens

1157

<400> 1858

```
gtttctacctc ggttagcagca ccgcttctga tttccttgca gtggagatgc ggcgagggag 60
agtggccttc ctgtgggacc tgggctccgg gtccacacgc ttggagtttc cagactttcc 120
cattgatgac aacagatggc acagtatcca tgtagccaga ttgggaaaca ttggttccact 180
gagtgtaaag gaaatgagct caaatcaaaa gtcaccaaca aaaacaagta aatccccctgg 240
gacagctaat gttctggatg taaacaattc aacactcatg tttgttggag gtcttggagg 300
acaaatcaag aaatctcctg ctgtgaagggt tactcatttt aaaggctgct tgggggaggc 360
cttcctgaat ggaaaatcca taggcctatg gaactatatt gaaagggaag gcaagtgccg 420
tgggtgcttc ggaagctccc agaatgaaga cccttccttc cattttgacg ggagtgggta 480
ctctgtcgtg gagaagtcac ttccggctac cgtgacccag ataatcatgc tttttaatac 540
cttttcacct aatggacttc tttctctacc tgggttcata cggcacaaaa gactttttat 600
ccatcgagct gtttcgtggc agagtgaagg ttatgactga cctgggttca ggaccatta 660
cccttttgac agacagacgt tataacaatg gaacctggta caaaattgcc ttccagcgaa 720
accggaagca aggagtgtct gcagttatcg atgcctataa caccagtaat aaagaaacca 780
agcagggcga gactccggga gcatcttctg acctcaaccg cctagacaag gacccgattt 840
atgtgggtgg attaccaagg tcaagagttg taaggagagg tgtcaccacc aaaagctttg 900
tgggctgcat caagaacctg gaaatatcca gatcaacctt tgacttactc agaaattcct 960
atggagttag aaaaggctgt ttactggagc ccatccggag tgttagcttc ctgaaaggcg 1020
gctacattga attgccaccc aaatctttgt caccagaatc agaattggctg gtaacatttg 1080
ccaccacgaa cagcagtggc atcctcctgg ctgccctcgg cgggggatgt ggagaagcgg 1140
ggtgatcgtg aggaagcaca cgtgccctts ttttcctgca tgctgatcgg aggcaacatt 1200
gaggtacatg tcaatcctgr gggtgggaca ggcytgagaa wagctctcct gcacgctccc 1260
acgggtacct gcagtgatgg acaagcgcct tccatctcct tggtcaggaa tcggagggtac 1320
ttgcacgcgg ccaggcagtg tgtaatgaag gtgtgggtgag ctccagaggga atgtgggagg 1380
aaccttgccg tggtgccctg gtcggctaga tgactggggt catcggcatc cagacgattc 1440
tagaaccttg ctaggattct ttctgggaa ccagtttcat ctgctttgta ataagatact 1500
tgtagaattt ttataattaa acaactttag ctctgccctt tactggggcc cagcataaat 1560
tgtctttaca ttggattgat tctgtggcaa atagtagtac actattagta aatagtatta 1620
tatcaatagt aaatagcatt atatcaacat tcctgtatat ttccctccaa aatatagact 1680
gaatgcttta aaagcacact gggcattttc atcataggta aagaggttaa 1730
```

<210> 1859

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (883)

<223> n equals a,t,g, or c

1158

<400> 1859

```
ctcagagtag ctggattttt ctaaagcaat tgcagaacac ctgctttttc tttgtttcct 60
ctagaaagga ccaaccacrc cgagctcagt tatggcacac acagtgggac ctagacaaag 120
ggagagggtg accgacatcc caactaggta aacacagagg aggttccaca tggacttata 180
tgggtggctg ttttgaaaac gagaaacagt caagagtccc tggccccaca gaccacctc 240
cccaactcag cactgtctgt ctgtgcagca ggtgcaagga cgtgttgaac tagctctctg 300
cagcctcctt ggaggatgtg atcctatggg aggggtagga gtattcagtc cttgacatyt 360
cccaaagtgt tgattccggg atgccaaagg cttttggcca ggtaatgcag tgytacagg 420
ytgaggttga catgcatecc caccctctga gaaaaagatc ctcagacaat ccatgtgctt 480
ctcttgtcct tcatnccacc ggagtctgtc tcanacccaa cyagatttca gtggagtga 540
gttcaggagg catggagctg acaaccatga ggctcggca gccaccgcca ccaccgccgc 600
cgccaccacc gtagcagcag cagcagcagc agcagcagca agagtaactc tgacttagga 660
atagagacag ccagagagaa atgtgatcaa tgaaggagac atctggagtgt tgcgtgcttc 720
ttcagaggga cgggtgatgg gcagattgga aaaagcaccg cagatgggaa ccttaattct 780
tcttttctaa aattgatgct atgaaaattt gcgttttctg taacttgtaa aaactaaaag 840
ttgcttgtct actgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 890
```

<210> 1860

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 1860

```
aaattaaccc tcaactaaagg gnncaaaaagc tgggagctcc accgcggtga cgnccgctct 60
agaactagtg gntccccccgg gctgcaggaa ttccggcacga gaacaactga aggtgaagaa 120
atcactgagt caagtagcac tgaagaaatg gaggtcagaa gtgtgggtggc tgatactgac 180
caaaaggctt taggaagtga agttcaggat gcttctaaag tcaactactca gatagataaa 240
gagaaaaaag aaattccagt gtcaattaaa aaagagcctg aagttactgt agtttcacag 300
cccactgaac ctcagcctgt tytaataccc agtattaata tcaactctga cagtggagaa 360
aataaagaag aaatagggttc tttatcaaaa actgaaacta ttctgccacc agaattctgag 420
aatccaaagg aaaatgataa tgattcaggc actggttcca ctgctgatac tagcagtatt 480
```

1159

gacttgaatt tatccatctc tagctttcta agtaaaacta aagacagtgg atcgatatct 540
ttacaagaaa caaaaaaa 558

<210> 1861
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (788)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (807)
<223> n equals a,t,g, or c

<400> 1861
acnaacnctt actaaaggga acaaaagntg gaagctccac cgcgggtgtng accgctctag 60
aactagtggg tcccccgggc tgcaggaatt cggcacgagc agggtcaggg ccagagccag 120

1160

```

aatccgaatc agaatcagag tcagaaccca aatccgaatg ccaatcagaa cctgactcag 180
aatctgatgc agaatctgac tcagagtttg agccagaagg agaaccggga aagcccgaag 240
cagaactcag gcaaggagca gaatgataac accagcaatg gcaccaacga ctacataggc 300
agtgtagaga aatggcggtta aatggctcaa aaaggcctgt acatacttct cccaaagcgc 360
cactgaaaag atggcatagc ttaaaagatg aaagtgtcca aacacatcct gcttccttca 420
ttgggggaagt tttaaaaaaa gtttagatgt tgcctttaca gttgcctttc aattcagtgt 480
tatactgtgt gtaggtaaaa caaatctcaa tatggaatta aattgtcttt ttgggggttg 540
actaaatatg aaatccgaaa gccaaaccag actcaccaga aattgctgtt tagatatttt 600
aagaagttct taaattagtt atggagacaa agtgaaaaca taaaatgtga ccatttaact 660
tatggctaag aaatggactt tnaaattnat tccatggata cactgtttaa acccaatctt 720
ggaatcaa attttttccc agggggtgga ggaataagta ttaaacatta agggcaactt 780
aaaatggnaa cataaaacct tttattntcc ttctggattt taaacaaggg atctatttta 840
aat 843

```

<210> 1862

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<400> 1862

```

gggtgaaggg catttgggca agccaggggyg gctgcggagg cgatctccct gaccaggggc 60
cggagttgcc cggagcctgc caccgctctc agccagcccg catccttctc tgttcttccc 120
ntccccgtc tgccacggcg cgggtatccg cagccacagc ccggcgccgg tgaggcggcr 180
aagggggagg ggaggaatca agggatgagc gccggaaggg cgtmgggggc cctgagccgn 240
actaggacgg cccttggggc cgga 264

```

<210> 1863

<211> 1882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<400> 1863

```

ngcggcagat cttccagtcc ctgccgccct tcatggacat cctcctgctg ctgctgttct 60
tcatgatcat ctttgccatc ctcggtttct acttgttctc ccctaaccct tcagaccctt 120
acttcagcac cctggagaac agcatcgta gtctgtttgt ccttctgacc acagccaatt 180
tcccagatgt gatgatgcc tctactccc ggaaccctg gtectgcgtc ttcttcatcg 240

```

1161

```

tgtacctctc catcgagctg tatttcatca tgaacctgct tctggctgtg gtgttcgaca 300
ccttcaatga cattgagaaa cgcaagttca agtctttgct actgcacaag cgaaccgcta 360
tccagcatgc ctaccgctg ctcatcagcc agaggaggcc tgccggcatc tcctacaggc 420
agtttgaagg cctcatgctc ttctacaagc cccggatgag tgccaggagg cgctatctta 480
ccttcaaggc cctgaatcag aacaacacac cctgctcag cctaaaggac ttttacgata 540
tctacgaagt tgctgctttg aagtgggaagg ccaagaaaaa cagagagcac tggtttgatg 600
agcttcccag gacggcgctc ctcatcttca aaggatttaa tatccttggtg aagtccaagg 660
ccttccagta tttcatgtac ttggtggtgg cagtcaacgg ggtctggatc ctctggaga 720
catttatgct gaaagggtgg aacttcttct ccaagcacgt gccctggagt tacctcgtct 780
ttctaactat ctatgggggtg gagctgttcc tgaaggttgc cggcctgggc cctgtggagt 840
acttgtcttc cggatggaac ttgtttgact tctccgtgac agtgttcgcc ttctgggac 900
tgctggcgct ggccctcaac atggagccct tctatttcat cgtggctcctg cggccctcc 960
agctgctgag gttgtttaag ttgaaggagc gctaccgcaa cgtgctggac accatgttcg 1020
agctgctgcc ccggatggcc agcctgggcc tcacctgct catcttttac tactccttcg 1080
ccatcgtggg catggagttc ttctgcggga tcgtcttccc caactgctgc aacacgagta 1140
cagtggcaga tgctaccgc tggcgcaacc acaccgtggg caacaggacc gtggtggagg 1200
aaggctacta ttatctcaat aattttgaca acatcctcaa cagctttgtg accctgtttg 1260
agctcacagt tgtcaacaac tggtagatca tcatggaagg cgtcacctct cagacctccc 1320
actggagccg cctctacttc atgacctttt acattgtgac catggtgggtg atgacgatca 1380
ttgtcgccct tatcctcgag gccttcgtct tccgaatgaa ctacagccgc aagaaccagg 1440
actcggaagt tgatggtggc atcacccctt agaaggaaat ctccaaagaa gagctggttg 1500
ccgtcctgga gctctaccgg gaggcacggg gggcctcctc ggatgtcacc aggtgctgg 1560
agacctctc ccagatggag agataccagc aacattccat ggtgtttctg ggacggcgat 1620
caaggaccaaa gagcgacctg agcctgaaga tgtaccagga ggagatccag gagtggtagt 1680
aggagcatgc cagggagcaa gagcagcagc gacaactcag cagcagtgc gcccccgccg 1740
cccagcagcc cccaggcagc cgccagcgct cccagaccgt tacctagccc agcgcccgaa 1800
agccgtctct tctatgcaat aacacaatag tattactcta aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaaggggggg gg                                     1882

```

<210> 1864

<211> 1926

<212> DNA

<213> Homo sapiens

<400> 1864

```

gcttggcaga ggcaaccaag aaagaaatta cattctttca aacacatcca tatttcagag 60
ttctcctgga ggaggggtca gccacggttc cccgactggc agaaaagactt accactgaac 120
tcatcatgca tatccaaaaa tcgctcccgt tgtagaagg acaaataagg gagagccacc 180
agaaggcgac cgaggagctg cggcgttgct gggctgacat cccagccag gaggccgaca 240
agatgttctt tctaattgag aaaatcaaga tgtttaatca ggacatcgaa aagttagtag 300
aaggagaaga agttgtaagg gagaatgaga cccgtttata caacaaaatc agagaggatt 360
ttaaaaaactg ggtaggcata cttgcaacta atacccaaaa agttaaaaaat attatccacg 420
aagaagttga aaaatatgaa aagcagtatc gaggcaaggga gcttctggga tttgtcaact 480
acaagacatt tgagatcatc gtgcatcagt acatycagca gctgggtggag cccgccctta 540
gcatgctcca gaaagccatg gaaattatcc agcaagcttt cattaacgtg gccaaaaaac 600
atthttggcga atthtttcaac cttaacccaa ctgttcagag cacgattgaa gacataaaag 660
tgaaacacac agcaaaggca gaaaacatga tccaacttca gttcagaatg gagcagatgg 720
ttttttgtca agatcagatt tacagtgttg ttctgaagaa agtccgagaa gagattttta 780
accctctggg gacgccttca cagaatatga agttgaaact tcattttccc agtaatgagt 840
cttcggtttc ctcttttact gaaataggca tccacctgaa tgccacttc ttggaaacca 900
gcaaacgtct cgccaaccag atcccattha taattcagta ttttatgctc cgagagaaatg 960

```

1162

```

gtgactcctt gcagaaagcc atgatgcaga tactacagga aaaaaatcgc tattcctggc 1020
tgcttcaaga gcagagttag accgctacca agagaagaat ccttaaggag agaatttacc 1080
ggctcactca ggcgcgacac gcactctgtc aattctccag caaagagatc cactgaaggg 1140
cggcgatgcc tgtggttggt ttcttggtgc tactcattca ttctaagggg agtcgggtgca 1200
ggatgccgct tctgctttgg ggccaaactc ttctgtcact atcagtgtcc atctctactg 1260
tactccctca gcatcagagc atgcatcagg ggtccacaca ggctcagctc tctccaccac 1320
ccagctcttc cctgaccttc acgaagggat ggctctccag tccttgggtc ccgtagcaca 1380
cagttacagt gtcttaagat actgctatca ttcttcgcta atttgtattt gtattccctt 1440
ccccctacaa gattatgaga cccagagggg ggaagggtctg ggtcaaattc ttcttttgta 1500
tgtccagtct cctgcacagc acctgcagca ttgtaactgc ttaataaatg acatctcact 1560
gaacgaatga gtgctgtgta agtgatggag atacctgagg ctattgctca agcccaggcc 1620
ttggacattt agtgactggt agccgggtccc ttccagatcc agtggccatg cccctgctt 1680
cccatggttc actgtcattg tgtttcccag cctctccact ccccgccag aaaggagcct 1740
gagtgattct cttttcttct tgtttccctg attatgatga gcttccattg ttctgttaag 1800
tcttgaagag gaatttaata aagcaaagaa acttttttaa aaaaaagagt acttctagag 1860
cggccggggg cccatcggtt ttccaaccg ggtgggggta ccagggttaag tggtaaccca 1920
aattcg 1926

```

<210> 1865

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 1865

```

ctcgtgcaan nttgagcagt gttaggattt agaggagtct gcatagcaga taaagggaga 60
ggtgttagca aagagtatct gtgaggatga tactcttgga attgcaggtc ataagactgg 120
gaaagtaggt aaatgctccc tgaatggggc ttatacttta tcctataggc agtgggaagc 180
cttaggtaag aatacagtga tacgaaagtt ttgcattcac tttagtaatg gtgaaaaact 240
ggggaacagt ctattagggtg gcagtctttg ggctggaata tcccaactga tttctggttt 300
tattttctaa aattgttgcc ttggacctt cctattttta taaccagaca cagaaaaatca 360
ataaaagttt gagcccagtt tatagactat tgccagcagt agttcagggt ttaaaaaaat 420
gatgagggat taatctaggg gcatgaagga gaaaggatag attttttatt tatgtctata 480
tataaataga catttatatt tacaagggtt gacttagcag gccttagtga ttgcttagca 540
agattaggga acagaaca 558

```

<210> 1866

<211> 349

<212> DNA

<213> Homo sapiens

<220>

1163

<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 1866
aattcggcac aggccttgatc ttcttctctggg gggttagggag aaatctgtct ccntattgct 60
ggttctcttta ccaaaatgct ttataaaaga aatgaccggg gacatttatt caccaaagga 120
attaatatac tgagtcaaag attaacaatg ctatactata gagtaatagg tcatrtatag 180
cctcrattga gtttttttatg acaatatattt aacatacctc tctctctaca tatgaaatac 240
catgaaagtg aractcaaaa tgacacagag ggaaagtttag agggaaaatg gaantaattt 300
cgggtacatct ttatggggttt taaaggagta ggaaaataag gtggaaata 349

<210> 1867
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 1867
gaattcgggca gagggacatt tatttcccttt ggagtcttat tcttttaagt acttctttaa 60
acataaccat caccatcacc agaatttttt aaacatgaga ataagacaga cagaactttt 120
ctttggtagt gttaacacaa aagggtgtctg atcttcatac aagcaatctt tgctcacata 180
catcaaaatg gaatgacaca aggaaagaac cattttgcaa aaggaaacaa gacaagctgc 240
cgtcagctag atacgttttcg attgttcagg aaagtctgta caggaaacttt gattggcatc 300
ctgcttgtct accttctttc ctacttttaa gtggtagctc tgatcattgt tgtcagtgtt 360
ttctgacccc tcagatctgg tctttgccta tcatgtctga tgtaggcact tggaccaatt 420
cacctgcaaa tcaaggtaat cgaaccaagt gcctacatca gacatgatag gcaaagacgt 480
cgagcggccc gnaaattttag tagtagtagt agtcggacce cggggaaatt ccggga 536

<210> 1868
<211> 853
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (816)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (839)

1164

<223> n equals a,t,g, or c

<400> 1868

```

cgccaggcca ggcacctagg ccagggggagc ggagacctcg tgggagcggg caggggggacc 60
tttccccctct cccgggcttc caccagggcg cctccccgct gtgaaacgcc gccgcccagg 120
aaaaactgca tagaaaatct aatggatgaa gatgagaaag acagagccaa gagagcttct 180
cgaaacaagt ctgagaaaga agcgtcggga ccagttcaat gttctcatca aagagctcag 240
ttccatgctc cctggcaaca cgcggaaaat ggàcaaaacc accgtgttgg aaaaggatcat 300
cggattttttg cagaaacaca atgaagtctc agcgcaaacg gaaatctgtg acattcagca 360
agactggrag ccttcattcc tcagtaatga agaattcacc cagctgatgt tggagagcca 420
tttcagagac tgtgaagaat ccaggtgcc a tgtcttagtg gccaggatgt tccctttcta 480
aaatgaggac agagcccagg agataaccca tcatgtccct aggggaactgc taatgccctc 540
cagatgtgac tcccgctcttc ttccctcttc tctctaagag gcacaaaacc agactccagg 600
aggactcaca tagctktgaa gtttgaaaaa acaaaattga cctggctgaa aaaacaaaat 660
tgacctgggc tgcagacmag ccaagctggt aaaagtatca rctgggcaaa gacttgkgyy 720
taccagcatt gggagcagtt gcmcttcaaa aggagccaaa tgctgkgyy ctgcggaawa 780
ggacttgggg attttgaatt watycaaaag catttntttc tttttaggcc cagaggttnt 840
tcccagggac aca 853

```

<210> 1869

<211> 1246

<212> DNA

<213> Homo sapiens

<400> 1869

```

agtttcacgc ctgcaaacac aagcattctg ttgatcaacg gaaatatttt gatgtgccat 60
ttcttgtcta aacaagtttc atatacagca ccgagggggc cagagagaggc agaggcccag 120
acagaaggty aacatagcct tgcagggaga catatgccag gcaggatgac cattgggatt 180
gcatcaagta ttaatcagtt acttaagggc ttcttgtagc acagttgaag ttcacattcc 240
ttttactttt cttaattagt ccactaggat ggtatgcctg ttttcaactt aacacatgca 300
tacttgtaaa tatttttagta tgctacagta atttgtcata tctttaatat ttattgtttg 360
taaagcagta aacattttctg tatttttagaa gtcattggagt aaaatcaaat atttatgata 420
aataattgga agtatgtttt agtttgaaga ttgtcctttt tcttatcttg ctgcaaggaa 480
aaatggactt ctgattaggt tttaacaattg tgaactttta tgtaaagtgt aagtgtcttc 540
gaggagacca aactattatt aatatataaa atggccttgc ccttaaggag caaattaaat 600
ctcatggaga ttagactcaa aaggcaataa ataatcgagg gtttatgcaa tgaaatagaa 660
tttcagaaga gtttgatctt caaagattgt ccttcaactc cagaaacagg caagtttctt 720
aaaagcccct atagtcgtgt ttttatttta aaaatcgtag cactttattt ttgaagttta 780
aaaagcccat aaacttaatg agtctttata atcagacaca tggaaatata gaaaaccaa 840
gactgatctt agaatataga gtagagagac atgtttgtta ttctccacta gtgacttttag 900
tattttgtta tgtgatgttt tttaggtgca ccttttctca tgactcctt tactttatct 960
aatgtcttcc tctttaaagt gtgaccaga gaccagtagc atcagcatca cctgagacct 1020
gtgaacactg aagctccagc tcagacatgt tggggaccat ttttaataaga tacctagctg 1080
attttttgca cagcaaactt tgaaaacccc tgggtctaagg ggtagtattt gtatcactta 1140
tggaatataa tctcagggaa attaaatctg ctcaattgac atttgtggtg tttcattttt 1200
taaatctctt tgagtaactt ctgtagccct ttccagtgtg tcaggt 1246

```

<210> 1870

<211> 133

<212> DNA

<213> Homo sapiens

1165

<400> 1870

```
ctactctgtg tgtgggttct tggcaagctg ccatgtcttt ggggatcata gaaattattg 60
atgacacaga aactcatat gcccttagcc tgtacagctg attcaacatg ggaacagaaa 120
cactgtctag ggg                                     133
```

<210> 1871

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<400> 1871

```
gcaggacagg aaaggtgaca gagnaagact ctatctcaaa aaaaawkaga ctatcttggt 60
cttaatcctc ttcaattctt cttttttatt cttttctccc tggtctcttt gtagtttaat 120
agttatttaa aatcaggtgg agcattttta tgtttcagta taacacccaa atgatctcag 180
ctaagttgct tttgttgctt cttttcatat gaagtttttt ccctatcctg tgaatcagcc 240
tttaatccaa aaatgacata aagagaagag caaggactga gccttaagta tgcctagaat 300
gttgaggagg ctgaggacag tgaagaagag atgaaataac cacaaccagt agcttgggaa 360
ccaggataat gtcataagac tcaaattggag ggaattaata tcaagggaag attaanaaaa 420
aa                                     422
```

<210> 1872

<211> 629

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<400> 1872

```
gatttttttt ttaagaggac ttttaagatc atgatatcta attttaattg tatttacaga 60
ggcttcaaag agtctttgat ttcttgact ttgttaaggc tttcttattc cttctcacat 120
cctagaaccg ggttaccctt ccgtgaggca gatccctgc aggtggccat cactgtgggtg 180
gccagcagtg cttccagact cctgcagtca cgggttccct tctgaaatgg atgtgtattt 240
```

1166

```

ccaaattcgg atggaagagg ctggattaaa gatagaagag aatgtcctaa gtagaagaga 300
aatatgttct taaattttaa atctctgaat tttctcctta cactggggaa ggtgtaggaa 360
tcatgtaatt gccgcctact ccggcatttg cagtagtggg gagaagtctc tagaaccata 420
ttagacttaa tagataggac actcatgttt ttgtttgggt gggggtagca ttttaaaaga 480
ttattatcat agtcttttatt attaattatt ttggaggaca ggaaagcatt taccttctat 540
ctactttgca aactccatct gtgccataaa tcattatgga tgttgggktg ctatactctg 600
stttttaaat aatttgggca ngaccngga 629

```

<210> 1873

<211> 1407

<212> DNA

<213> Homo sapiens

<400> 1873

```

ctcaccctgt atgacatgtg caaggctgtc agcagggaca tcgtgttgga ggagatcaag 60
ctcattagca agactggtgg tcagcggggg gacttccatc gggcttagca cctgcccttc 120
tcacccatgg cccacccagg cctggagctg ggatgcaatg taggctgagg gaaagacgtc 180
aggttccttt aatcacagtc actgtttgtt taccttgagc agtaaaccgc aagtcagcct 240
gctctactac taacaaacag gcctgctgct agatgatctc taatgaccaa tggggcttcc 300
tttctatagg gaggatacca gcaggccctt aagccttcca ggacactaag gtcgtgggag 360
cgggactgca acaagcaatg ccagataact gagaaatcat gttctttgtg gactatttca 420
gacaaccagg ttccgacagt ccagcccaga acttttcctt ctcatTTTgg gttttctctt 480
ctcctgcttt cctggggaga gattaagcgc tcattaagca gaggagccca ctttgaggag 540
agcaaagcac aagcttgctt gaagaatgga tcccaacttc tccccggcag ctctgcctcc 600
ctaagtctgt gaagccgcag ccctgccctg tcctgtcctg tcctgacttc atctctcctt 660
ctgcccgaag ctgtgtccca tcagacttgc agcctttcag cttaacagtt gcccggctct 720
gctggccccct tttcctctgg ccccccctct ctgaaacagg atgtgcacac atggccatag 780
ccctaaggac tcctgccaga ccacacagcc cacacctggc cctgttcacg gctgttccac 840
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tcaatcaatc ctatcccaag acacagttcc ctgagggaag aagaggaggg acctggaaaag 1080
gcctaagggt gtactctctg tatagccccg ctatgggaaa ataaagtgga gtagggggca 1140
tagaaatgcw ccatctaagg gaaatctttt gtcagggtgt ggccaggggt gttcaaagct 1200
cattgcttgc attaccagct attagagaga tcagagaggg caattaatta gaggtcctct 1260
gttctcacat cccaaacaca cacagttctg gcctgctggg ctctctaact tggatgtctt 1320
tgagtctca gtgggtgccc ctgcctgect cccctctgcc ctatgccaaag gtgtgctggc 1380
aaatattaaa caaccagctc tctggaa 1407

```

<210> 1874

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1167

<222> (676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (706)
<223> n equals a,t,g, or c

<400> 1874
ccgtctcaaa aaataaataa ataaataaaa aataaaacaa ataaataaaa gctaaagcat 60
tctaggaatt acatgtctgg gagctacttt gctgaatctc ttggaagttg ttaaggaaaag 120
gcatctgaga tataccagat cagaccttca tcttctgagc ttcccacttg taaactgaaa 180
ttttaaatta cctggaatag gcctcccttc tcttaactcc caatttgaag gctgcgattt 240
taaattagat gagaatttac ttaactctat ttgatacata tccttatgaa tgaacatttg 300
ttgactgtct actgaatgtg acagggtattg ttctaagcac tttatttgta atgacttact 360
tttacaaaac acccctatga gtaatgttct attgtccctt tatttacagt tgaggaaact 420
gggtacagag rgattaagta actagtctga tgtcacagggt agtattcagc tgagccygca 480
ctcataaata tgatactgtc ctgcttctcc cttgctaata taggcaataa agagctttct 540
gaaggggaag aaatattatt attaaactga tttaatgaat tactataatt gcagtttcaa 600
taattagttt tgtaaaatgc aactgggtat agcagttttt tgaagttttc taattttntc 660
cttctgtcac tttggntctg gtangtttgc cttttcacca ttgctna 707

<210> 1875
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<400> 1875
gcaaaaaataa aggggctaca gaaacactca tttttatgct gttccctctt gggcttcatg 60
caaagacaat tctgtgtaaa tgtacagttg actctgattt ggaaatatga aaatcagtcc 120
atccttggtta taaaaaattt ttttacaatt gtaattatat tgatgttcat attgtgtaaa 180
ataactcatt taataaaaata gtactttgat ttacgacawm aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa naaaa 265

<210> 1876
<211> 513
<212> DNA
<213> Homo sapiens

<400> 1876
gcgggtccct tctacttctt ttcttttctt tctggtgacc ctggcagtggt aaaactgccca 60

1168

```

cctcttttagg tttctgtaga gccaaaaata atctccta atgtcttcctga tgtttgatag 120
gtattccctc ggaagttagg aattcccttt ctctccatat tggtgcatgg gcatggagag 180
ttaggtaagc atacttagag tctttatata tatttaccct ttttccttct cctaattcta 240
gtgtataacg gcccctgctt ttcctaggat gtctctccct aacaaaggag tggggccttc 300
aggcataatt agaaagacat gtgaaaagag taaagttcgc cagtcacaam ttagtgggctg 360
ggagaagtat wtagtgactr cctgtcctag gacccctcag atagtgcacag atctggagga 420
cagttgtcca ggacaggaga gtaagaytga gacagctgcg ccagtgtcca ggagacagtt 480
aacctcctgg ccctcaatga tcaagcatac ccg 513

```

<210> 1877

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 1877

```

ctttggagga gagactccta ggatggccca caacctgctg ctgcctgtag cagagctaga 60
agggaaggag tctgccagct ctccacagc atccccacca tctcctcca ctgccatctt 120
tcagccctct gaaaccgtgc tccttggaac gcaaagggcc gaggagcatc tggttttcat 180
ggcaaagctc tactccagag ctcccttaac atctgcta ataaagtgcaat aaatTTTTTct 240
agaaaatggc aaagatgact tccaggtgga tattgctctc ttacggtggt ggggatgcca 300
gaacaccact tgggttttatt tttctaagtg catgtgatgt gatagagtgt gtggggctct 360
gtgtccttcc ctgggagctg gcattccagc gggccctct ctctaccttt gttgggggaa 420
ggaggcaaga gagaaattcc ttcttcccag ccagagaggg cagaagcaga ccgtagccca 480
ttggccttat gtgcgtgtgt gcgtgcgagt gtgtcactgc tgggtgggccc gagtgatgtg 540
gtgggagggg agccgggaat gtatcctttt cagacaaaat taaatatttt gaaatgagaa 600
aaaaaaaaaa aaaaaactcg nggggggggcc cggtaaccca attcgccta 650

```

<210> 1878

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

1169

<400> 1878

```

ctcagngccc gcccatact tgctgagccn gaggaaacca ggatgctgca ggagccagag 60
tctgcactat caagagctgc aggagggctt ctctgagttg gaagaggttc ctggtttgga 120
gaatggtccc acggtggcca gcacaggagc aaatganagg gtgggacagc gggaacagac 180
acgtgctgct ctccctccac cctgagagaa tgctctccag acattcctgc atcccacccc 240
accaaactca gaagcttgct gggatccttc gagtccaata ggaagtccgg gagkgccttc 300
agttttcact caaagcaggc ccttttttcg ttccttccct gttaggggaa gatacacctg 360
gacgagaata tatcctcacc tcaccaccct gaaaagctgc tttctccctt scatccatat 420
cctctcttcc tgtcacctcc ccatacagct tcacatttgc ctcacgcac tttctcttcc 480
tgtccacctt tcataatccc atccactcca aatcccggac cctgcacacg ccaactccct 540
gaatccaatt caggagtgcc ccagttcccc ttctgatcca tctcctttct actgtagcgg 600
agactacaag tcccaggatg ccccgctagc ccgtgaccgg ctaggaaata aagagccttc 660
tctccgcggt aaaaaaaaaa aaaaaaaaaa aaaactcgag gggggggccc gtaccaatt 720
c 721

```

<210> 1879

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 1879

```

ctcgcctgca ctgctctccc tncgctgtgg ggaagcgaca acgtcccgat aacttgcaga 60
ctgtggcgca actggtcttg gtagcggagg cayycgaatg ctgcccgggt gagaaacctg 120
gcaaagaaaa cggctctcgac aatgagtagg ccacccatca ctactaacta cagatgactt 180
gccatttcat ttacaaagat gtcttctgct gctgaaaatg gagaggcagc acctggaaaa 240

```

1170

```

caaaatgaag aaaaaaccta taaaaagact gcatcatctg ctattaaagg tgctattcag 300
ctgggwatag gatacacagt gggtaatctc acttccaagc cagaaccgag atgttcttat 360
gcaagacttt tatgtggtgg aaagtgtgtt cctaccacgc gaagggaagc aatcctgacc 420
ccagcacatc actaccaag acttttagatt taaggacata cgctccatta gcantccggg 480
atttcagaga actttttggg tatcaagcct gatggattac ttgnattcca tcctgnagtg 540
aaacctctna tagaactggg ctaa                                     564

```

<210> 1880

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1880

```

tttttttttt tttttttttt tttttttttt tttttttttt ttttctaagg cccaaaaatc 60
tatraaacct tgattatttg ttagttttgc aattcaaac agctaattgc kggytatttc 120
tcaaagtaag tatttttaaac agcctgtaag atactgtata tgcgctgctg tagataccgg 180
aatgaatttt ctgtacatgt ttggttaatt ttttttgtac atgatttttg tatgtttcct 240
tttcaataaaa atcagattgg aacagtga aa         277

```

<210> 1881

<211> 2522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2517)

<223> n equals a,t,g, or c

<400> 1881

```

gccggcccag cgcccgccac cggccmccgg tgccctccaga ggacctgggc agacaagatg 60
tgaaatggag aagtatctga cacctcagct tcctccagtt cctataattc cagagcataa 120
aaagtataga cgagacagtg cctcagtcgt agaccagttc ttcactgaca ctgaagggtt 180
accttacagt atcaacatga acgtcttcct cctgacatc actcacctga gaactggcct 240
ctacaaatcc cagagaccgt gcgtaacaca catcaagaca gaacctgttg ccattttcag 300
ccaccagagt gaaacgactg cccctcctcc ggccccgacc caggccctcc ctgagttcac 360
cagtatatcc agctcacacc agaccgcagc tccagagggtg aacaatattt tcatcaaaca 420
agaacttcct acaccagatc ttcattcttc tgtccctacc cagcagggcc acctgtacca 480
gctactgaat acaccggatc tagatatgcc cagttctaca aatcagacag cagcaatgga 540
cactcttaat gtttctatgt cagctgccat ggcaggcctt aacacacaca cctctgctgt 600
tccgcagact gcagtgaaac aattccaggg catgccccct tgcacataca caatgccaag 660

```

1171

```

tcagttttctt ccacaacagg ccacttaactt tcccccgta ccaccaagct cagagcctgg 720
aagtccagat agacaagcag agatgctcca gaatttaacc ccacctccat cctatgctgc 780
tacaattgct tctaaactgg caattcaca tccaaattta cccaccaccc tggcagttaa 840
ctcacaaaac atccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 900
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 960
aaaagctcac ctgaggactc aacttggtga aaagccatac aagtgtacct gggaaggctg 1020
cgactggagg ttgcgcgat cggtatgagc gacccgccac taccggaagc acacaggcgc 1080
caagcccttc cagtgcgggg tgtgcaaccg cagcttctcg cgctctgacc acctggccct 1140
gcatatgaag aggaccaga actgagcact gcccgtgtga cccgttccag gtccccctgg 1200
ctccctcaaa tgacagacct aactattcct gtgtaaaaac aacaaaaaca aaaaaaaca 1260
agaaaaccac aactaaaact ggaaatgtat attttgtata tttgagaaaa cagggaatac 1320
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ggggkggggg tggaggggar tgtgtgcagc gtttttacct aggcaccatc atttaatgtg 1500
acagtgttca gtaaacaaat cagttggcag gcaccagaag aagaatggat tgtatgtcaa 1560
gattttactt ggcattgagt agtttttttc aatagtaggt aattccttag agatacagta 1620
tacctggcaa ttcacaaata gccattgaac aaatgtgtgg gtttttaaaa attatataca 1680
tatatgagtt gcctatatatt gctattcaaa attttgtaaa tatgcaaatac agctttatag 1740
gtttattaca agtttttttag gattcttttg gggaagagtc ataattcttt tgaaaataac 1800
catgaataca cttacagtta ggatttgttg taaggtagct ctcaacatta ccaaaatcat 1860
ttcttttagag ggaaggaata atcattcaaa tgaactttaa aaaagcaaat ttcattgact 1920
gattaaaata ggattatttt aartacaaaa ggcattttat atgaattata aactgaagag 1980
cttaaagata gttacaaaat acaaaagttc aacctcttac aataagctaa acgcaatgtc 2040
attttttaaaa agaaggactt aggtgtgctg tttcacatat gacaatgttg catttatgat 2100
gcagtttcaa gtacacaaac gttgaattga tgatgcagtt ttcatatatc gagatgttcg 2160
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agacacagta attttatcta aattacagtg cagtttagtt aatctattaa tactgactca 2280
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tgcaatataa aatagtaatg tgatgctgat gctgttaacc rragggcaga ataaataagc 2400
aaaatgccaa aaggggtctn aattgaartg aaaatgtaat tttgttttta aaatattgtt 2460
tatcttttat ttaggggggg tgggtaatta ttagttaagt tttttttaan aaaaaanaaa 2520
tt 2522

```

<210> 1882

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

1172

<223> n equals a,t,g, or c

<400> 1882

```

nnatcaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcagcag cccacctcca tcctatgctg 120
ctacaattgy ttctaaactg gcaattcaca atccaawttt acccaccacc tgccagttaa 180
ctcmcaaaac wtccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 240
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 300
aaaagctcac ctgaggactc aactgggtga agttatcagt accagactat tttgcttcaa 360
tctgcaaaaag gaaggtgtgt gaaggtgaaa agccatacaa gtgtacctgg gaaggctgcg 420
actggagggtt cgcgcgatcg gatgagctga cccgcg                                     455

```

<210> 1883

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (856)

<223> n equals a,t,g, or c

<400> 1883

```

ggttctgccc cactgctta taatgctggt gatctacatt aagatcttcc tgggtggcctg 60
caggcagctt cagcgactg agctgatgga ccactcgagg accaccctcc agcgggagat 120
ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct gggtacctgt 180
gcatgctggt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
ggcaatgaat atggccattc ttctgtcaca tgccaattca gttgtcaatc ccattgteta 300
tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaagca gatgtcaaga gtgggaatgg tcaggctggg gtacagcctg ctctcggtgt 420
gggcctatga tctaggctct cgctcttcc aggagaagat acaaatccac aagaaacaaa 480
gaggacacgg ctggttttca ttgtgaaaga tagctacacc tcacaaggaa atggactgcc 540
tctcttgagc acttccctgg agctaccacg tatctagcta atatgtatgt gtcagtagta 600
ggctccaagg attgacaaat atatttatga tctattcagc tgcttttact gtgtggatta 660
tgccaacagc ttgaatggat tctaacagac tcttttgttt ttaaaagtct gccttgttta 720
tgggtggaaaa ttactgaaac tatttttact tgaaacagtg tgaactatta taatgcaa 780
actttttaac ttagaggcaa tggaaaaata aaagttgact gtactaaaaa tgtaaaaaaa 840
aaaaaaaaaa aaattnct                                     858

```

<210> 1884

<211> 1419

<212> DNA

<213> Homo sapiens

<400> 1884

```

gtttccagta gcttggaag tagagatgac taatgtttta gccttttctt ggagaaaagg 60
aagaactctt cttgaatatt ttcacagatg attgtgattg ctttaaataga cctctgtggc 120
aatttaaatt agatggattt aatctcagta atgtgctggt cgcataaatg tcatgtttta 180
ataggaaaag ttacttgtaa atcttttagac ctttgttgtc acttaggctg gggagtcact 240
accctatttg gcactttact agttgggggg accttttccg tgtacagtga tgggactttt 300
gtgaccttta ctctcactat gcaatagagg gtttcatgta gttaatctga catgtcaaaa 360

```

1173

```

ttgggaagac tgtaaccttt tttttttttt ttttaagattt ctcttttttg tgtccctcaa 420
tacttagcag atgttcattt ggtggaaatt cttattactt acatgaatga gtttgaattt 480
agtggcaagg aagaaaaaaa aaactcaa atttgtttta aaagaagaaa acttgcaaag 540
tacataagta ttttttaaaa atcaatcgaa cagaaaggaa tgcattgctgt ttttcaatgg 600
cttagacatg ctttttattc actgactagt attcactttt ttacaacttg tatcaaaaca 660
aatgatcttt gtttttgtca caggcaaaaa cagggtgaca ctggtgggtt ggctttatta 720
attaattttt tttctattag gttttcttta ataattgtaa atttctaaat tatagcatat 780
gttttagtta attctgaaat cagttacttc atttggttaatt ttatccctca tatcatgaat 840
attgtttttt aaatgttcta taaaaatttg catcacttct tttcttacag cttttgcagt 900
taatatattc taaacttgaa aatgtggtat caatcaataa tagaagtatc actggaggat 960
ttatttagct ttgtatttct taatttttagt cctagctact aaagtatgta agccttaaag 1020
tttaaaatgt ttttcttaaa ttagctttat acacaaacat tttcattttac tttatgaaat 1080
gggaggagat agtccactgt gcttatgttt ttttgtttaa tttctatatt ctgaagcagt 1140
gcagatatag ggtatgctaa tcaagtggagc aagggtggaac atgtacaata taaggagaag 1200
ctgtaaaaaa cacagtataa aattatgaag tttggttaact gtaaaatgta ctgtatttat 1260
atgtaactct cattctaaaa gttgccacaa aagctgaatt ggaagcttca tgtctgcatg 1320
aaatttctta tatttttaaat gtgtatgatg aaattaattt ttcttgaata ttaaagctctg 1380
ccaattgcta tgaaaaaaaa aaaaaaaaaa aaaactcga 1419

```

<210> 1885

<211> 2013

<212> DNA

<213> Homo sapiens

<400> 1885

```

attcggcacg acggggcaaaa gtctctacca cacctactca actctgtcac gctagcacaa 60
aacagccaca cacaaatata ttaaaaaatg ggtataactg tgttccaata aaactctatt 120
agcaacaggc agtggggccag atstggcact gactgcagtt tactaactat cccctgatca 180
agaatgtcca acaatagctg aaagttactt gagaaagtca gcactgtagg aggaagaaac 240
taacaccaaa acacaagccg gtagttcttg ggaaatgctg gcagaccaag ggcgggacct 300
cttgcccaga ataatctctc tctcctacta aggaacctat aggttccactg aagtaatcca 360
ttactttgaa tcaactctctc ctttgcccca cttttaaaca caaatcccca tccctaatag 420
ttactggtga acagatggac tcatcccttt cttatccgag aagccccatc acatgctatg 480
tcctatcaca tgctatacca gaagctaggg ctgcagaggt ggatgacgcc ccagatccc 540
tgccccctag gggcttaaga gtctagcagg ggcacctgac ccaagtaagt acaatgcagg 600
gtaaggctgg ctaaagagca cgtgaaaagg agctgggaac acagctggtc agcagagctt 660
caggggaggc tgaaggacag gctgcacacg aggcactcag aaaacagcag tgaaacagaa 720
ggcaggcgagc aacggcagtg gtactggacc tggggaacac caagttcaag ctctatatac 780
aacgaggaca aaaatgaacc aggtccctg aaagcaggga atctaacctg tgctacggcg 840
ccttcccagt ccacgagggc gtgagagtac atacacatgc aagtgcactc cagcgctcac 900
ccaagcaaca ccttggaga aacacggact ccaggcccaa atccagcctg agaccctcaa 960
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aaggacagag aaggttctgc tgggaagtggg ctctcagca aaccagcaga taggggttcc 1140
tttgatattt ataccccagg ttttttctact ctacgtgac atctatgtgg ggccaatgaa 1200
gccaattctt cttttgtaca tatgcagtcc tgtaagaatg cattcaaacg ggatccgcta 1260
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agtgaagggtg gcagcaaaga aagcctctta gacgaggagc tggcagcagc tgctatctag 1380
atagacagca aaaaccaacc actaattcag caaacacaa ctcataccta accgcttccc 1440
tttaaatggc cttcgggtgtg tgcgcacatg ggcacgtgcg gggagaacca tacttattcc 1500
cctgttcccc gcttaccacc tctgtctccc cttctcttct ctaccattta actgtctcct 1560

```

1174

```

ctgctttgtt tcttatcaact gctgctggtg tctagagcca gccagcagta cctggcagac 1620
atcgcgaccc tgcgggcagc gcttaggact gcacatttac atttcccaa tgatctgggt 1680
agatggggac aggtgaagac ttggggaaac ggaaatatac gaatgacatg agacatgcat 1740
atctagtgtc aatccattcg actgggcaca ggacagcaga ctgctgacag tgctatgtaa 1800
gattatgagt gatcctccct ctattttgca aacagtctgt aagtaactga taaaacttta 1860
aaatatgcaa attttaaaat tatatagttt gatttactca tcaaattatc atgtatgctg 1920
ttatttaagt atgaataaag gcttttttaa attgggaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaagggggggg ggg                                     2013

```

<210> 1886

<211> 1893

<212> DNA

<213> Homo sapiens

<400> 1886

```

gccccgcgct ccgcggacgc gtgggtcgac ccacgcgtcc gaaaaaacat ggtttctcct 60
ctctctcctg tcttcttact ctctatccca ttgatgtag tgatttttaa atgcttttgt 120
aagttaattc ttaacacaaa agagacattg taatgaggca caccactaaa gtgagcatgc 180
ccaattaaaa ccagtgtaat ataggataag aaaatctgat ttttcaaaaa agatactcta 240
cataaagaat ccttcatata aaaagttctt tctttagta catttaaagt ttaattcac 300
tcatgtataa ctgagagttc ctttgagccc ttttaggca gggaggcatg tctgtcatct 360
agcgtgtggc ccagtaagtg attattacat tggaatcagt ttttcagtct tttaaaataa 420
attctatgcc ataagaataa aagataaaga gcaaaattaa tgttaactat ttttagctta 480
ttataactat gtcaacaagt gtttattaat acctattatg ggaaagtcac tgtggttggc 540
attgaaaatt acatcatctt taaagcagta ttgtcccca gatggactca tctactagca 600
agactagggt cattggaagg catagggtga gagaatggga agatgragtg gaggcgggtt 660
gttaaagtgc tgtcagttag tgattttgtc tacttgaata atggtccatg tttgggggca 720
tattgtgttt cataagaagt gaaaggattt tgcaaagtaa gctacaaatg acccataaat 780
ctgttaacaa cagtccttaa tatgcaaaga tgaaaaacaa gcattactgc taccacaaagg 840
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ctctcttagg tttcatagga ggtagttact gagatgagat tgttttatct ttttgaatac 960
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tgtttgtttg tttgttttgg ctctcttagta atactctctt gacatttatt tctattattc 1080
ttcaaagaaa ggaaaccaac tgaaatgttt gctttaacaa acattttaat aagttctctg 1140
ggtttttttt tcccctttta aaaaaattag catataccat agcaataaaa gaactaatgt 1200
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catcaaaatg ttatgtaatt accataaata atggctagcg agaacatctt tggaaattct 1740
caaattacct ttcttactac actgtttgca gaatgaatgt agaaatgatc ctgttagctt 1800
tctgaatgtt ctgtggttga atgtgttttt gcttaataaa agcttttggg atttgtttaa 1860
attamaaaaa aaaaaaaaaa aaaaaaaact cga                                     1893

```

<210> 1887

<211> 433

<212> DNA

1175

<213> Homo sapiens

<400> 1887

```
aattcggcac gagggcgag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggcgcgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccctgttg tggacagga 120
agtgccagtgc gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatgg 180
agagtctcca acctgttccc agatgtccaa cctgggtctgc ggcaactgat ggctcacata 240
tacgaatgaa tgccagctct gcttggcccg gataaaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtgggtgg gcatggagag gatatgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaa aaa 433
```

<210> 1888

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<400> 1888

```
gaggggaagtc aagaaggag gttgaggact gcacttttga tttacttctg acttcacgag 60
tcacttttctg ccaaagaaat ctctcctttt gcttctagca ccgactagat ttccttcagc 120
tgatgattga ctcccagaat tcgaaagaaa ctgagtcacca caaagctctg tctgatctgg 180
agctcgcagc ccagtcaata atcttcattt ttgctggcta tgaaaccacc agcagtgttc 240
tttccttcac tttatatgaa ctggccactc accctgatgt ccagcagaaa ctgcaaaagg 300
gagattgatg cagtttttgc caataaggca ccacctacct atgrtgccgt ggtacagatg 360
gattaccttg acakggtggt gaatgaaacc tcaaattatn cccgttggtg tta 413
```

<210> 1889

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (776)

<223> n equals a,t,g, or c

<400> 1889

```
gagaaaaagg tagaagaata aaagatccag tactttcttc tgggtaagca gttatgacca 60
gagatggaac cggcaactct ttggccagaa agctgtatcc aaaagacaga gaagatgaat 120
gtttttgttc actggtgact caggtaacac gtcttcaaga agccataggg aggttgaggg 180
agggaagtca agaaggagg ttgaggactg cacttttgat ttacttctga cttcacgagt 240
cactttctgc caaagaaatc tctccttttg cttctagcac cgactagatt tccttcagct 300
gatgattgac tcccagaatt cgaaagaaac tgagtccac aaagctctgt ctgatctgga 360
gctcgcagcc cagtcaataa tcttcatttt tgctggctat gaaaccacca gcagtgttct 420
ttccttcact ttatatgaac tggccactca cctgatgtc cagcagaaac tgcaaaagga 480
gattgatgca gttttgcccc ataaggtgag gggatgacct ctggagatga agggaagagg 540
```


1176

```

tgaagcctta gcaaaaaatgc ctctcacca ctcccagga gaatttttat aaaaagcata 600
atcactgatt ccttcaactga cataatgtag gaagcctctg aggagaaaaa caaagggaga 660
aacatagaga acggttgcta ctggcagaag cataagatct ttgtacaata ttgctggccc 720
tggttcacct gtttactgtt atcacaataa tgctaagtaa aaaaaaaaaa aaaaanggcg 780
gcc 783

```

```

<210> 1890
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

```

```

<400> 1890
cgcncgagca ccctagcaca gcgcgaggga agatgagcac ggaagggtggt ggccgctcgt 60
gccaggcaca agtktcgccg cgcattctct tcagcgcgag ccaccgattg tacagttaa 120
ttctaagtga tgaagaaaac ttgaaactgt ttgggaaatg caacaatcca aatggccatg 180
ggcacaatta taaagttgtg gtgacagtac atggagagat tgaccctgct acgggaatgg 240
ttatgaatct ggctgatctc aaaaaatata tggaggaggc gattatgcag ccccttgatc 300
ataagaatct ggatattgat gtgccatact ttgcagatgt ggtgatnctc cctgggtctat 360
aacaggangc cccttaccca gcagcaggga gatatggnc 399

```

```

<210> 1891
<211> 3035
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (2911)
<223> n equals a,t,g, or c

```

```

<220>

```

1177

<221> misc feature

<222> (2959)

<223> n equals a,t,g, or c

<400> 1891

```

cccggagcag cgcggcagca gcatggctca cggggccggc gcgctgatgc tcaagtgcgt 60
ggtggtcggc gacggggcgg tgggcaagac gtgcctactc atgagctatg ccaacgacgc 120
cttcccggag agtacgtgcc caccgtcttc gaccactacg caggaagact atgaccgtct 180
gaggccttta tcttacccaa tgaccgatgt cttccttata tgcttctcgg tggtaaattcc 240
agcctcattt caaaatgtga aagaggagtg ggtaccggaa cttaaggaat acgcacccaa 300
tgtacccttt ttattaatag gaactcagat tgatctccga gatgacccca aaacttttagc 360
aagactgaat gatatgaaaag aaaaacctat atgtgtggaa caaggacaga aactagcaaa 420
agagatagga gcatgctgct atgtggaatg ttcagcttta acccagaagg gattgaagac 480
tgtttttgat gaggtatca tagccatttt aactccaaag aaacacactg taaaaaaaaag 540
aataggatca agatgtataa actgttgttt aattacgtga gaaacatctt cagtggccaa 600
ggaaactgtc catttctctc agaaagcaaa tgaaatgcta cagctatacc cagacctttt 660
ataggtaatg aagcagttca aaacttgaag gaaaacaaaa cctgtcctca gaattctata 720
aagtgtatta agaattgtcc ttaaagggtt aagaagcagt aagcagcatc tgaagccaca 780
atctattata aatactttat ttcaactaga aggtacaatc tctcaggggt ttcatagttt 840
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 900
cttggctttg accatacaca tttctgcccc gcccttacag aatctgcaca aagaaatatt 960
tccctttgct ccagtttaatt gttcttgtat gtaagttgct ttctattcca gtatatccag 1020
agtggtgaaa taacaaggcc agccacgtag ccaaaggctg ctccaagcgt acaggagatg 1080
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gagcacaagt gtaacctaaa tatttctata ttaaagctta atgtgctttc ttaaagaatt 1200
ccaaaagtgt aataagggtc taactgcatt tatcatgaac actaaaaatg tacacatttt 1260
agttaatgtg cattaaactg taacaaggct tctggcaatt gtagatttag tttgacgtc 1320
cccaaagtgc atgagacaca tgctaaaatt acaaattaaa attttgggtc agactttgcc 1380
ataatgatag actcaattta gctctctgaa ctagtgggtg attttttttt ttttaattccc 1440
actttggctg tgtacatcaa atgaaatgag aagtgtgtat gctgacccaa ccacaagaaa 1500
ctttctttta gttgtgttaa agaggaaaga cctagaatcc aagcgtgtta catgaaaatt 1560
gtaacagagc agctgcttcc acctttcaga tatagatgtt ggaaccacag cagaagtatt 1620
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acctcttttc tccagccata ttacatcagg ctagaagtaa ttaatgttga tttatttcat 1740
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ggaggaaaat tttcatgttc ttctgtgaag cttatttggg aacttgagc catttcta 1860
ctttctctgg ggggaacagg ccacagaact gtggttagagg tgaaccatct taattactag 1920
ttctattacc taattcagct tccttgtttg gtctgctgtg gatctgcctt attgcatatg 1980
ccatgcatca gataatggat gcatcagata atgggtgttag acaaagcttc attgtgaaca 2040
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atacttgaaa atgacagcct taaatgctca tatcagtcac aaatctagga tgtactgtct 2280
tgtttgatgt gagcttttga gagattttta aaaatataag catcaccttc ccattgaaga 2340
gtggagagag tctactggat gactggccag gaactttctc tctgaatcgg acatttggat 2400
gtcttctttc ttccaagaaa tgggtggttca cattaaagta tcatggcctt atgtatgctc 2460
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gaaaggaatt gtataaatca attaacatat tagctgagtt gtccaacaca tgggtataaac 2580
gaattacaac agtaaactat tacacatttc caacttgcct ttggggattt atgaggattt 2640
tttttgggtg ggggaggggg ctccaattca tatctctgaa accttcaca cttggttttac 2700
taattcaaag ttagaagtct agaatttgcc ctgcctaacc agaaacagat taggaatttg 2760

```

1178

```
tctacacaaa ctggtgtcac ctgtttcttg actgggattt ggtttcctca ttataaatat 2820
gggaggtaga acagagatct ccaacgtctc tcccatttat cacagtaatt ttcttattca 2880
cagtaatcat tggtggrtgt tactttttca ncttcacatt ctcaagatgg taaaaatcat 2940
gtatatagat tatcagaant ctaagcaaag atgactgtca catctgaagc tgagggtgcct 3000
taggtacatc ggccgcgacc acggtaagcc gaatt 3035
```

<210> 1892

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 1892

```
gtgagctccg tctcaaaaaa taaataaaaat agaagcagcc ttgtaactgt atttaccatg 60
ataatatatt ctgcacggta agaattcctt ttacagacat tctttatcaa gaggtcggcc 120
cttctttttc aggacataaa gccaaatgca ggctgtgtg tagctgtgtg ttttttctgt 180
ggttgccgca tttattccac ctccagctgg acccccact gcaaataagag aacagcgggtg 240
ggggatgggg gttaaaaaagt agagaacctc ctttctgttc aactaatctc acgtgacagt 300
gcatgtatctt attcaataaa acctttatgt tagctcaaaa aaaaattcca aatgaagaaa 360
agaaagaaac tttnaa 376
```

<210> 1893

<211> 1304

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1304)

<223> n equals a,t,g, or c

<400> 1893

```
cggcgggcggg cggtcctgcc tgtaacggcg gggcgggctg ctgctccaga cacctgcggc 60
ggcgggcggcg acccgcggcg gggcgcgagg atgtggcccc tggtagcggc gctgttgctg 120
ggctcggcgt gctgcggatc agctcagcta ctatttaata aaacaaaatc tgtagaattc 180
acgtttttgta atgacactgt cgtcattcca tgctttgtta ctaatatgga ggcacaaaac 240
actactgaag tatacgtaaa gtggaaatct aaaggaagag atatttacac ctttgatgga 300
gctctaaaca agtccactgt cccactgac tttagtagtg caaaaattga agtctcacia 360
ttactaaaag gagatgcctc tttgaagatg gataagagt atgctgtctc acacacagga 420
aactacactt gtgaagtaac agaattaacc agagaagggtg aaacgatcat cgagctaaaa 480
tategtgttg tttcatggtt ttctccaaat gaaaatattc ttattgttat tttcccaatt 540
tttgctatac tctgtttctg gggacagttt ggtattaaaa cacttaaata tagatccggg 600
```

1179

```

ggtatggatg agaaaaacaat tgctttactt gttgctggac tagtgatcac tgtcattgtc 660
attgttggag ccattctttt cgtcccaggt gaatattcat taaagaatgc tactggcctt 720
ggtttaattg tgacttctac agggatatta atattacttc actactatgt gtttagtaca 780
gcgattggat taacctcctt cgtcattgcc atattggtta ttcaggatgat agcctatata 840
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ctgatttcag gtttgagtat cttagctcta gcacaattac ttggactagt ttatatgaaa 960
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aatgcattca aagaatcaaa aggaatgatg aatgatgaat aactgaagtg aagtgatgga 1080
ctccgatttg gagagtagta agacgtgaaa ggaatacact tgtgtttaag caccatggcc 1140
ttgatgattc actgttgggg agaagaaaca agaaaagtaa ctggttgtca cctatgagac 1200
ccttacgtga ttgttagtta agtttttatt caaagcagct gtaatttagt taataaaaata 1260
attatgatct aaaaaaaaaa angacaagaa ttaaatgata aacn 1304

```

<210> 1894

<211> 2617

<212> DNA

<213> Homo sapiens

<400> 1894

```

ctactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggt ctgcaggaat tgggcackag cggctgggag ctgaggatca gccgttctt 120
gcctggattc cacagcttcg cgcgctgtac tgtcgcccca tccctgcgcg cccagcctgc 180
caagcagcgt gccccggttg caggcgtcat gcagcgggag cgacccacgc tctgggcccgc 240
tgcgctgact ctgctggtgc tgcctccgcg gccgcgggtg gcgcgggctg gcgcgagctc 300
ggcgggcttg ggtcccgttg tgcgctgcga gccgtgcgac gcgcgtgcac tggcccagtg 360
cgcgcctccg cccgcctgtg gcgcggagct ggtgcgcgag ccgggctgcg gctgctgcct 420
gacgtgcgca ctgagcagag gccagccgtg cggcatctac accgagcgtg gtggctccgg 480
ccttcgctgc cagccgtcgc ccgacgaggg gcgaccgtg caggcgtgct tggacggccg 540
cgggctctgc gtcaacgcta gtgccgtcag ccgcctgcgc gcctacctgc tgccagcgc 600
gccagctcca ggaaatgcta gtgagtcgga ggaagaccgc agcgcgggca gtgtggagag 660
cccgtccgtc tccagcacgc accgggtgtc tgatcccaag tccaccccc tccattcaaa 720
gataatcatc atcaagaaaag ggcatgctaa agacagccag cgtacaaaag ttgactacga 780
gtctcagagc acagataccc agaacttctc ctccgagctc aagcgggaga cagaatatgg 840
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tcccaggggt gtacacattc ccaactgtga caagaaggga ttttataaga aaaagcagtg 960
tcgcccttcc aaaggcagga agcggggctt ctgctggtgt gtggataagt atgggcagcc 1020
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gaaggcccag gatggctttt gctgcggccc cgtggggtag gagggacaga gagacaggga 1860
gagtcagcct ccacattcag aggcattcaca agtaatggca caattcttcg gatgactgca 1920

```